

19990209.qrp v01_n362.qrl.990209

Date: Tue, 9 Feb 1999 19:03:38 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1362

QRP-L Digest 1362

Topics covered in this issue include:

- 1) [32488] Re: Searching for a Boom Material (Not Explosives :-)
by Paul Maciel <pmaciel@inow.com>
- 2) [32489] Re: [32468] Re: 10 TURN POT FOR NC 20
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 3) [32490] Keyer kits?
by Brent Alexenko <alexenko@earthlink.net>
- 4) [32491] Test - pse delete
by "Roger Hightower" <n7kt@earthlink.net>
- 5) [32492] NC-20
by crc <crc@io.com>
- 6) [32493] NC-20 arrived Fresno
by dave_epps@juno.com
- 7) [32494] Re: Antenna Question
by W6RCecila <w6rca@ibm.net>
- 8) [32495] Re: End-Fed Zepp Question
by W6RCecila <w6rca@ibm.net>
- 9) [32496] Re: rayovac renewable alkalines
by The Boices <boice@bigfoot.com>
- 10) [32497] @ sign
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 11) [32498] Re: Variable Caps
by wb2vuo@juno.com
- 12) [32499] Re: rayovac renewable alkalines (again)
by The Boices <boice@bigfoot.com>
- 13) [32500] Okay... how 'bout this?
by Jeff Johns <jeffj@scott.net>
- 14) [32501] FYBO from Great White North (Ottawa)
by "Michael Babineau" <michael.babineau@sympatico.ca>
- 15) [32502] Re: Antenna Question
by Jeff Johns <jeffj@scott.net>
- 16) [32503] Monitor for swap:
by Sonny Haumesser <sphaumesser@netzero.net>
- 17) [32504] Wanted: Unbuilt 38 Special
by sda <sda@bellsouth.net>
- 18) [32505] Need an Antenna for My Poor Cajun Son
by hamjoel@juno.com
- 19) [32506] Re: Sending the @ Symbol in CW

- by Ed Loranger <we6w@juno.com>
- 20) [32507] Re: [CW] King Hussein
by N7YA@aol.com
- 21) [32508] HELP - RE TEN TEC Argosy II
by Serge Bertuzzo <103226.3635@compuserve.com>
- 22) [32509] Re: Still missing Fall issue of QRPP in Canada
by Paul Harden <pharden@aoc.nrao.edu>
- 23) [32510] Re: [CW] King Hussein
by Paul Harden <pharden@aoc.nrao.edu>
- 24) [32511] Re: FYBO de AB7TT (Long)
by N7YA@aol.com
- 25) [32512] Re: Still missing Fall issue of QRPP in Canada
by Jeff Johns <jeffj@scott.net>
- 26) [32513] Re: Keyer kits?
by rfriess@ibm.net
- 27) [32514] Dan's NW8020 kit for \$50
by Mike Mullins <mmullins@mastnet.net>
- 28) [32515] Re: [CW] King Hussein
by John M Andrews <n5inz@juno.com>
- 29) [32516] Elecraft K2 Report from another builder
by Lee Bahr <bahr521@earthlink.net>
- 30) [32517] CDDA help needed
by Chuck Adams <adams@ticnet.com>
- 31) [32518] Alaska Wildberry Chocolates
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 32) [32519] Elmer 101 & Data Books
by Paul Harden <pharden@aoc.nrao.edu>
- 33) [32520] Re: [CW] King Hussein
by wa8rxi@juno.com
- 34) [32521] Winter QRPP/2N2 Status
by Paul Harden <pharden@aoc.nrao.edu>
- 35) [32522] Re: [CW] King Hussein
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 36) [32523] Re: Alaska Wildberry Chocolates
by N7YA@aol.com
- 37) [32524] Speaking of effort (was 2N2 ...)
by Paul Harden <pharden@aoc.nrao.edu>
- 38) [32525] Anodized cases for Norcal 20...
by Mighty Mik <mitymik@hooked.net>
- 39) [32526] Re: Dan's NW8020 kit for \$50
by Bruce Muscolino <w6toy@erols.com>
- 40) [32527] Club News from the Frozen North...
by Alaska QRP Club <akqrp@eagle.ptialaska.net>
- 41) [32528] Re: [CW] King Hussein
by mikemo@ibm.net
- 42) [32529] Hamcation update
by Patrick M Kvitkauskas <pmk@juno.com>
- 43) [32530] King Hussein and His Family Callsigns

by Fred J Kalt <w2xn@juno.com>
44) [32531] JY1
by Bruce Muscolino <w6toy@erols.com>
45) [32532] [TenTec] Ride needed to Dayton Hamfest from Phila area
by Scott Howell <whowell@hq.nasa.gov>
46) [32533] W1VT FYBO
by Zack Lau <zlau@arrl.org>
47) [32534] Current Solar Activity
by Chuck Adams <adams@ticnet.com>
48) [32535] Oregon FYBO
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
49) [32536] Re: Oregon FYBO
by Chris Cartwright <ccart@dns.vidtel.com>
50) [32537] A do-it-yourself high-level mixer
by Charlos Potma <Charlos.Potma@rivm.nl>
51) [32538] North Gerogia QRP (NOGA) Club Meeting Summary and Pixs On-line
by Sam Billingsley <SBillingsley@usaninc.com>
52) [32539] More 15m qrp kit obsessing--SW+15?
by Dave Ek <ekdave@earthlink.net>
53) [32540] small qrp world (FYBO KE6WYA de ABOGO)
by Dave Ek <ekdave@earthlink.net>
54) [32541] Re: JY1
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
55) [32542] NC20 - Comments on Chirp, etc.
by Larry East <w1hue@amsat.org>
56) [32543] Re: W1VT FYBO
by Joe Gervais <vole@primenet.com>
57) [32544] SPAMed
by "Mike Yetsko" <myetsko@insydesw.com>
58) [32545] FYBO - W5VBO
by Brian Kassel <bkassel@dancris.com>
59) [32546] Renewal Batteries
by "Mike Yetsko" <myetsko@insydesw.com>
60) [32547] Jersey Fireball 40
by "David Hurley, n2zhy" <n2zhy@amsat.org>
61) [32548] PA3HBB will be in Calif next week wanna meet up?
by "David Reid" <dareid@Synopsys.COM>
62) [32549] Jersey Fireball 40
by "David Hurley, n2zhy" <n2zhy@amsat.org>
63) [32550] Diode xref
by Vann G Lantz <vlantz@juno.com>
64) [32551] Re: SPAMed
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
65) [32552] Re: SPAMed
by "Bryan Turner" <turnerw@email.uah.edu>
66) [32553] Re: [32468] Re: 10 TURN POT FOR NC 20
by "Michael A. Gipe" <mgipe@reliablemeters.com>
67) [32554] Atlanticon hotel looks GREAT!

by "George Heron" <gheron@nac.net>
68) [32555] FYBO scores
by "Robert B. Callahan" <rbcallahan@juno.com>
69) [32556] Someone needed to build HW-9 kit
by "Mike Czuhajewski" <wa8mcq@erols.com>
70) [32557] NW8020 history correction of the correction
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
71) [32558] 60 meter band
by "Bryan Turner" <turnerw@email.uah.edu>
72) [32559] NC20 reaches Montreal
by Jim Lyons <lyons@canada.com>
73) [32560] Re: Antenna Question/EZNEC and ELNEC
by "Kevin F. Glynn" <kfglynn@prodigy.net>
74) [32561] RE: NC20 - Comments on Chirp, etc.
by Sam Billingsley <SBillingsley@usaninc.com>
75) [32562] Morse Keyboard.
by dave_epps@juno.com
76) [32563] Re: SPAMed
by Roger Hightower <n7kt@earthlink.net>
77) [32564] Elmer 101 Book from Paul Harden
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
78) [32565] Re: 60 meter band
by "Carpenter, Todd" <carpentt@citrine.indstate.edu>
79) [32566] Re: SPAMed
by "Frank" <ke6vhm@earthlink.net>
80) [32567] NC20...parts galore!
by tom whalen <wb5qyt@eFortress.com>
81) [32568] JY1 Obit on Next Newsline
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
82) [32569] Fox: K1MG log, 5 Feb 1999
by "Michael A. Gipe" <mgipe@reliablemeters.com>
83) [32570] Re: UK Frorx Report
by "Graham Firth" <Graham.Firth@BTInternet.com>
84) [32571] Re: SPAMed
by Jeff Johns <jeffj@scott.net>
85) [32572] Re: Someone needed to build HW-9 kit
by "Paul R. Valko" <prvalko@oakland.edu>
86) [32573] re: FS: NC-20
by K2UD@aol.com
87) [32574] Re: SPAMed
by Dave Marling <dbm@klis.com>
88) [32575] mW WAS Total points - 1.326 watts for 28 states
by Jim <kj5tf@madisoncounty.net>
89) [32576] Re: SPAMed
by Bob Hightower <ki7mn@extremezone.com>
90) [32577] FYBO Logs, etc.
by Bob Hightower <ki7mn@extremezone.com>
91) [32578] Sending the @ symbol

by dave.g0dja@psilink.co.uk (Dave Ackrill)
92) [32579] Sending the @ symbol
by dave.g0dja@psilink.co.uk (Dave Ackrill)
93) [32580] RE: End-Fed Zepp Question
by dave.g0dja@psilink.co.uk (Dave Ackrill)
94) [32581] FS-Built/Unbuilt Rigs
by NCC3122B@aol.com
95) [32582] RE: SG2020
by Larry East <w1hue@amsat.org>
96) [32583] NC20 10 turn pot
by Kory Hamzeh <kory@avatar.com>
97) [32584] on detecting chirp
by Allan G Taylor <k7gt@arrl.net>
98) [32585] Re: SPAMed
by "Barry L. Geipel - AD6HR" <bgeipel@primenet.com>
99) [32586] Re: mW WAS Total points - 1.326 watts for 28 states
by Larry Cahoon <wd3p@juno.com>

Date: Mon, 08 Feb 1999 16:05:39 -0800
From: Paul Maciel <pmaciel@inow.com>
To: n5em@amsat.org, qrp-l@Lehigh.EDU
Subject: [32488] Re: Searching for a Boom Material (Not Explosives :-)
Message-ID: <36BF7BD3.EF095F8D@inow.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Ed,

I took a quick peek in the McMaster Carr catalog and they have
fiberglass rod stock from an 1/8"D to 1 1/2"D in 10 foot lengths.

Here is the address:

McMaster Carr Supply Company
P.O. Box 54960
Los Angeles, CA 90054-0960
(562) 692-5911
la.sales@mcmaster.com

Have Fun!

---Paul AK1P San Jose, CA

Date: Mon, 8 Feb 1999 16:19:52 -0800 (PST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: qrp-1@lehigh.edu
Subject: [32489] Re: [32468] Re: 10 TURN POT FOR NC 20
Message-ID: <199902090019.QAA24515@netcom12.netcom.com>

I just have to complain a bit. I bought a 10 turn pot in the group buy, for my NC-20, and now that the radio kit is here, I CAN'T FIND THE POT.
Arrrgh!!!
73, doug

Date: Mon, 08 Feb 1999 18:22:41 -0600
From: Brent Alexenko <alexenko@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32490] Keyer kits?
Message-ID: <36BF7FD0.D3DA3A14@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all..

I'm looking for a small keyer kit or pre-built keyer to add to an existing radio. I don't need a lot of bells and whistles, just something that I can run between my paddles and the radio. I've been considering something in the MFJ line, but I'd like to keep costs as low as possible. Being a graduate student doesn't pay very well! =)

Anyone have any suggestions?

Thanks!

ABØFR

Date: Mon, 8 Feb 1999 17:18:34 -0700
From: "Roger Hightower" <n7kt@earthlink.net>
To: <qrp-1@fidonii.CC.lehigh.EDU>
Subject: [32491] Test - pse delete

Message-ID: <000501be53c3\$83093760\$809c2399@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Test of mail function of IExplorer

Date: Mon, 08 Feb 1999 19:16:42 -0600
From: crc <crc@io.com>
To: QRPL <QRP-L@Lehigh.EDU>
Subject: [32492] NC-20
Message-ID: <36BF8C7A.F7B4B44F@io.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mine got here!!!
Sitting quietly on the porch when I drove up today , now I can quit
trying to see my porch as I round the corner.
Looks great so far, Thanks Guys:
Charlie WA5KRF Austin, Tejas

Date: Mon, 8 Feb 1999 17:22:13 -0800
From: dave_epps@juno.com
To: qrp-l@lehigh.edu
Subject: [32493] NC-20 arrived Fresno
Message-ID: <19990208.172214.-88979.3.dave_epps@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all involved for developing the NC-20 kit.
It really looks good.
 dave ab5pc fresno, ca.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 08 Feb 1999 19:26:51 -0700
From: W6RCecila <w6rca@ibm.net>
To: qrp-l@lehigh.edu
Subject: [32494] Re: Antenna Question
Message-ID: <36BF9CEB.1469@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>From: Jeff Johns <jeffj@scott.net>
>Subject: Antenna Question
>When installing a dipole here at my house, what is the best direction to
>install it? Facing North & South or East and West?

Hi Jeff, I would advise anyone with similar questions to download the
free copy of the ELNEC demo from <http://www.teleport.com/~w7el/>
and run your own simulations. You will learn a heck of a lot and be
able to answer your own questions and contribute your experiences.

--
73, Cecil, W6RCA <http://www.bigfoot.com/~w6rca>

Date: Mon, 08 Feb 1999 19:29:08 -0700
From: W6RCecila <w6rca@ibm.net>
To: qrp-l@lehigh.edu
Subject: [32495] Re: End-Fed Zepp Question
Message-ID: <36BF9D74.794A@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>From: "Dennis B. Dolle" <dolledb@cet.com>
>Subject: End-Fed Zepp Question
>Wondering if anyone out there using, or has used, the end-fed Zepp as a
>multiband antenna.

The feedline of an end-fed Zepp radiates like crazy. This is good when
dangled from a Zeppelin since the feedline is the highest point on the
antenna. Not so good for ground-mounted antennas. If you like feedline
radiation and RF-in-the-shack, this is a great antenna. My advice, after
47 years of experience is to go with a balanced/counter-poised antenna.
IMO, the grief generated by a dead-end transmission line conductor is

just not worth it.

--

73, Cecil, W6RCA <http://www.bigfoot.com/~w6rca>

Date: Mon, 08 Feb 1999 19:49:30 -0600

From: The Boices <boice@bigfoot.com>

To: qrp-1@Lehigh.EDU

Subject: [32496] Re: rayovac renewable alkalines

Message-ID: <3.0.6.32.19990208194930.00930bb0@mailbox.arn.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>Does anybody know anything about recharging the renewable alkalines
>using other than their proprietary charger?

Check out <http://www.rayovac.com/oem/ren8g.html>

If that doesn't take you to it, follow this path:

<http://www.rayovac.com/oem/index.html>, select "rechargeable alkaline" from the products menu, then click on "Rechargeable alkaline battery management guidelines," then click on "rechargeable alkaline battery management ICs." They list two Benchmarq Microelectronics chips, a bq2902 and a bq2903 as the heart of charging systems. I haven't looked into finding the chips, but these pages are at least a start. They even provide a schematic.

There is also a wealth of other information at the Rayovac site in their OEM section.

FWIW, Rayovac is one of 2 licensees of the rechargeable alkaline technology, tho I forget the name of the other company. I think they primarily have selling rights in Canada. The patent-holding company (forgot their name, too, but they did have a pretty good web page) is also Canadian.

I, too, have also thought about making a separate charger, with power input directly from a PV panel. The poor performance of the Renewals in my TH-G71A slowed my interest in pursuing this for the moment. I haven't tried them for my Sierra, yet, so I don't know how they'll perform on a 2W CW duty cycle.

Included in Rayovac's info on the Renewals is the statement that they are not designed (probably due to chemical composition) for quick, high current draw. They'll fail quickly in this regard. They work far better at low to moderate current draw, whether steady state or intermittent.

Just don't let them discharge too far - unlike NiCads, they'll quickly die

if allowed to have this happen to them too often.

Hope this helps.

Date: Mon, 08 Feb 1999 20:55:25 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [32497] @ sign
Message-ID: <36BF958D.90011961@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>>On Sun, 7 Feb 1999, KARL B. STADDON wrote:
>> How do I send an "@" sign?

>The "@" is sent as... didah dah
>73! =paul= W8KC

Dahdidit Dididah Didididit

72, de SKIP N2EI

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Mon, 08 Feb 1999 20:55:15 EST
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [32498] Re: Variable Caps
Message-ID: <19990209.015312.5127.0.wb2vuo@juno.com>

The first caps went out today. We have enough to fill ALL the orders to

date, and will ship as soon as payment arrives here.

We are going to have some extra, but I don't have a feel for how many extra as of yet. I will post to the list as we go.

For those that misplaced the info:

The dual-section caps are 100 pF and 200 pF with a 6:1 reduction drive. They are \$4.25 each, postpaid.

The small caps are Johnson 0.5-8.0 pF caps with 1/4" shafts. They are 3/\$2.00, postpaid.

Send the payment, with your address (A QSL card is good) to:

William Keith Hibbert
41 North Lake Avenue
Bergen, NY 14416

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp.
Trustee, B/BAMS club station and the NQ2RP/B 10 Mtr QRPP beacon
"My night light runs more power than my Rig!!!"

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 08 Feb 1999 19:58:25 -0600
From: The Boices <boice@bigfoot.com>
To: qrp-l@Lehigh.EDU
Cc: joseph.street@comdev.ca
Subject: [32499] Re: rayovac renewable alkalines (again)
Message-ID: <3.0.6.32.19990208195825.00935180@mailbox.arn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I forgot one thing: unless they've added the info since last fall when I last looked into the matter, Rayovac only included info on AA-size on their OEM web site. If anyone's interested, I've gotten info for C and D-sized cells from Rayovac: the basic physical data (size, weight, etc.), closed circuit voltage v. service-life hours graph, and service life-hours v. # of cycles graph. I can scan them in and send as attachments to anyone interested in playing with this size as well.

Part of that info, quoting from the info sheets:

C: typical capacity on 3.9 ohm continuous discharge to .9V: initial: 3.1 AH; 25 cycle total: 51 AH.

D: typical capacity on 2.2 ohm continuous discharge to .9V: initial: 5.8 AH; 25 cycle total: 70 AH.

73,

Mike Boice, KW1ND
Canyon TX
QRP-L # 576

Date: Mon, 8 Feb 1999 20:09:26 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [32500] Okay... how 'bout this?
Message-ID: <199902090209.UAA12127x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Having been told by several list members that my dipole in the attic idea may not be the best thing and that I really should try to get the antenna outside. So.... I've been thinking a bit about this today and I have another idea and would like to see if my idea might work. As I mentioned earlier, my XYL is not exactly thrilled with the idea of lots of antennas and wires strung up everywhere, so to 'keep the peace' I try and be as covert as possible. She thinks the copper pipe J-pole is just another type of vent pipe <grin>. What if I got some insulators (pvc, fiberglass or other material) and used the on the ridge of my roof on the outside and sturng the dipole between them. The dipole would olny be 3 or 4 inches above the roof and unless you really looked extremely hard you would never notice it. The fact that it was unobtrusive would keep my XYL happy and it would make me happy because it would be outside instead of in the attic underneath all of the asphalt shingles and plywood. My question is, will this work? By the way, my house literally sits on top of a small mountain. I'm not sure of the elevation but it's been great for my satellite work. I have a clear view in almost every direction.

73 Jeff

----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L #1857 -----
jeffj@scott.net w4jef@amsat.org	Reserve Patrol Captain
Satellite: Mir R0MIR-1, A0-27	Jefferson County Sheriff's Dept
200LX+BayPac+FT50=Portable Packet	QTH Birmingham, AL USA

Date: Mon, 8 Feb 1999 21:11:00 -0800
From: "Michael Babineau" <michael.babineau@sympatico.ca>
To: <qrp-l@lehigh.edu>
Subject: [32501] FYBO from Great White North (Ottawa)
Message-ID: <000a01be53ea\$98596280\$0291acce@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks :

FYBO didn't quite turn out how I expected. Conditions, at least early-on were quite bad here in Ottawa. I only had a couple of hours to participate so
I had planned to get on the air at 15:00Z on Saturday from my car using my Argo 556, LDG autotuner and a 9ft whip.
I got setup according to schedule, but the bands were in bad shape. Both 10 and 20m were pretty much dead around the QRP frequencies. Lots of QSB. I tried 40m only to come to the realization that the VT QSO Party was also using 7040khz as their calling frequency. If there were any folks calling CQ FYBO I couldn't hear them. So, I did the only thing I could
under the circumstances, worked a few VT folks and headed home with very cold feet (forgot to wear my heavy boots and it got down to low 40s F in my car).

I did manage to sneak back into the shack later in the day and worked a few stations (5) on 20M. I heard some strong signals but experienced some serious fading.
So, not a complete skunk, at least I gave away a VE3 multiplier for a few folks.

Lessons learned :

Test out everything before you hit the field. (ie Murphy wears long undies

and isn't frightened away by the cold).

I pity my first VT contact. Had some problems with spacing on my "field" paddles and barely managed to send my call correctly on the first QSO.

He must have thought it was my first day with a keyer! Quite a surprise to me when I touched the paddle and was greeted by an unending stream of dits ;-).

I wired up a cigarette lighter plug for the Argo the night before and had to put a fuse in the holder. I thought I had a 3 1/2 amp fuse, but realized later

when playing with the radio in the shack (and blowing the fuse) that the package actually said (3) 1 1/2 A fuses. Fortunately I figured this out at home.

Never underestimate how cold your feet can get in 2 hours.

Michael VE3WMB

P.S. Hats off to all of you who braved the elements for 12 hours, well done!

Date: Mon, 8 Feb 1999 20:32:23 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32502] Re: Antenna Question
Message-ID: <199902090232.UAA21612x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Mon, 08 Feb 1999 19:26:51 -0700, W6RCecila <w6rca@ibm.net> wrote:

> Hi Jeff, I would advise anyone with similar questions to download the
> free copy of the ELNEC demo from <http://www.teleport.com/~w7el/>
> and run your own simulations. You will learn a heck of a lot and be
> able to answer your own questions and contribute your experiences.

Sounds good to me! Will it run on a 80186 class PC? Don't laugh everybody, my big computer died sometime back and I have been relying totally on my 200LX palmtop pc for everything, to be honest I really don't miss the big one <g>.

73 Jeff

----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L #1857 -----
jeffj@scott.net w4jef@amsat.org	Reserve Patrol Captain
Satellite: Mir R0MIR-1, AO-27	Jefferson County Sheriff's Dept
200LX+BayPac+FT50=Portable Packet	QTH Birmingham, AL USA

Date: Mon, 08 Feb 1999 21:16:51 -0500
From: Sonny Haumesser <sphaumesser@netzero.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32503] Monitor for swap:
Message-ID: <36BF9A93.D9F22B86@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have a 14" MGC color monitor. Only three years old, but has developed horizontal lines. I don't have the equipment to fix it. So if someone was interested I would swap for qrp something. Make offer.

Sonny, KE9IX <><
Terre Haute, IN QRP-L # 1696

NetZero - We believe in a FREE Internet. Shouldn't you?
Get your FREE Internet Access and Email at
<http://www.netzero.net/download.html>

Date: Mon, 08 Feb 1999 21:21:02 -0600
From: sda <sda@bellsouth.net>
To: qrp-l@Lehigh.EDU
Subject: [32504] Wanted: Unbuilt 38 Special
Message-ID: <199902090321.WAA26543@mail3.lig.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello, I am new to the list. Name is Todd Atkins, KD5GCH. Would love to build/own a 38 special. If anyone has an unbuild kit they would be willing to sell, I am interested.

Peace and 73.

Todd, KD5GCH
Baton Rouge, Louisiana

Date: Mon, 8 Feb 1999 22:26:38 -0500
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [32505] Need an Antenna for My Poor Cajun Son
Message-ID: <19990208.222815.-384577.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

dear qrp-1

This is joel's cajun mother... my poor son has had the miseries lately
..... he has strung up antennas that go straight up and others that lay
flat... but twenty meters seems to elude him...

Ever since he moved into "northern territory" he seems to be troubled
with twenty meters each winter... my poor boy....

I was wondering iffin any of u could help him out... oh and iffin u do
write to him... write slowly, he never could read very fast.... and
don't tell him I asked ya....

Thanks
Mama joel, warm and cozy in louisiana

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 08 Feb 1999 22:30:48 EST
From: Ed Loranger <we6w@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [32506] Re: Sending the @ Symbol in CW
Message-ID: <19990208.192810.4903.4.we6w@juno.com>

Gang, I'm going deep here, but "ii" in my memory and
training is the "SEPERATOR". Similarly I was confused
the first time I heard someone use imi "?" for "repeat".

"II" has always been a separator between a repeat.

But this may be in my mind only.....

It works everytime for me: "Email address is we6w at juno.com"

Oh, I work WR6C, Carmen, 92 yrs old she is, and she uses a code reader. She was really shocked when I sent the code for ":" dadadadididit

Came out formatted great on her computer :)
(I was sending <http://www.qsl.net/we6w> for her...)

The more we use them, the common-er they gets.

OH, the REAL Cut numbers are on my webpage. Along with all you need in morse code. Corrections GLADLY accepted!

72, Ed WE6W, AR Millennium QSO's=397/2000
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA
QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 8 Feb 1999 22:28:34 EST
From: N7YA@aol.com
To: cw@qth.net
Cc: ham-radio-history@egroups.com, qrp-l@lehigh.edu, lowpowerdx@egroups.com
Subject: [32507] Re: [CW] King Hussein
Message-ID: <9cb00d61.36bfab62@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 2/8/99 6:44:55 PM Pacific Standard Time, ve3cq@rac.ca writes:

<< Hi guys,

Does any one remember the callsign of late King Hussein?

>>

heres one of the first of about 1/2 million replies to this...but it was JY1.
my question is this...i know the Queen Noor is JY1NOR, but there are also
other members of his immediate family that are hams as well, is the new King
Abdullah a ham, does anyone know? thanks.

73...Adam, N7YA

Date: Mon, 8 Feb 1999 22:44:58 -0500
From: Serge Bertuzzo <103226.3635@compuserve.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [32508] HELP - RE TEN TEC Argosy II
Message-ID: <199902082247_MC2-69A4-CF23@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

I would appreciate help from anyone on the list (especially from someone
who currently has or may have previously owned an Argosy II) to help me fix
a low power output problem with my Argosy II - (very difficult without a
manual and schematics...)

In any event, the unit works very well with the power switch in the high
power mode and I can adjust the RF power from a couple of mw up to 50
watts. My difficulty is when I switch it into the low power mode ..I cannot
get any output on my power meter? I would gladly pay for a copy of the
schematic....

Any and all help would be greatly appreciated..thanks to all in advance....

Serge VA3SB

Date: Mon, 8 Feb 1999 20:56:00 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Mary Barnes <mbarnes@islandnet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [32509] Re: Still missing Fall issue of QRPp in Canada
Message-ID: <Pine.SOL.3.91.990208204817.4946C-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 8 Feb 1999, Mary Barnes wrote:

> Hello everyone --

>

> However, I still have not received it, and the Winter issue has gone to
> NA5N for printing, so I assume I'm just one of the unlucky ones (the only
> one?? -- I hope not--I'm already paranoid enough).

>

> William Barnes VE7MEW <mbarnes@islandnet.com>
> E-349 Foul Bay Road, Victoria, BC V8S 4G6 Canada

Bill,

Your QRPP *was* mailed as part of the initial batch, and not part of the 30 misplaced labels. You should have received it long ago. Your subscription, according to the mailing label, expires Spring 2000, and is on the active mailing list. It has obviously just disappeared into the black hole known as the Postal Service.

A replacement copy will be mailed to you tomorrow.

Please let us know when you receive this copy, and if you ever receive the initial copy. We are as concerned as you as to why some QRPP's just don't seem to get delivered. We are running about 25 undelivered copies so far from the last QRPP, a bit higher than normal. (Although about half are usually due to unreported changes in address or subscriptions expiring).

72, Paul NA5N

Date: Mon, 8 Feb 1999 21:08:49 -0700 (MST)

From: Paul Harden <pharden@aoc.nrao.edu>

To: N7YA@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [32510] Re: [CW] King Hussein

Message-ID: <Pine.SOL.3.91.990208205700.4946D-100000@zia>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 8 Feb 1999 N7YA@aol.com wrote:

> Does any one remember the callsign of late King Hussein?

> >>

> heres one of the first of about 1/2 million replies to this...but it was JY1.

I'm sure many of us OT's on the list have worked King Hussein at one time or another. I worked him once in the late 1970's on 15M SSB. He had a true pileup going, but still took the time to be a bit "chatty" with everyone who called him. When it was my turn, I called him "JY1A" and he IMMEDIATELY corrected me that it was simply "JY1." How many of you have been chewed out by a King? It was a pleasure ... but I'll sure never forget his calls now :-). Like Barry Goldwater, he was always a gentleman and a true ham on the air.

Rest in peace, my friend.

72, Paul NA5N

PS - My boss (WA6GFE) showed me his QSL card from JY1 ... this beautiful, gold stamped royal QSL with a photo of the King at his shack in the royal palace. I was so excited when I got mine ... which turned out to be a plain white card with black letters by Russ Print. My boss said that's what you get when you screw up his calls -hi.

Date: Mon, 8 Feb 1999 22:52:15 EST
From: N7YA@aol.com
To: qrp-1@lehigh.edu
Subject: [32511] Re: FYBO de AB7TT (Long)
Message-ID: <fc8477ed.36bfb0ef@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

< In a message dated 2/8/99 1:37:34 PM Pacific Standard Time, vole@primenet.com writes:

<< No sign of Jim AL7FS, Keeper of the Chocolate Wild Berries. Nuts! But heard at least two QRPers calling "CQ AK" and "CQ AL7FS". Guess I wasn't the only one who really wanted those berries! *8-) >>

Ok, quit torturing me!! im really looking forward to getting those berries now!

funny thing is i wasnt even aware that Jim was offering this prize....i just heard him out there (being in Seattle was the advantage) and thought it would be nice to give him a call.

ok, i declare this a "gloat-free zone" <g>....but ive never won anything cool before, so im pretty jazzed about this.

now i need to find the guy in a contest who is giving away the
FT-1000D....im on a roll here! the dice are hot, i can feel it!!
rumor has it that Jim will be giving away a 120' tower with stacked
monobanders on it next year, and he'll even put it up for you....well, its
just a rumor, dont quote me. :-)
thanks guys for a fun contest, and thanks Jim for the berries, im getting
anxious.....ill be there next year.

73...Adam, N7YA >>

Date: Mon, 8 Feb 1999 22:20:56 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [32512] Re: Still missing Fall issue of QRPp in Canada
Message-ID: <199902090420.WAA32429x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Mon, 8 Feb 1999 20:56:00 -0700 (MST), Paul Harden <pharden@aoc.nrao.edu> wrote:

> Please let us know when you receive this copy, and if you ever

Can someone point me as to where I can subscribe to the publication?

73 Jeff W4JEF

==--==-- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L #1857 ==--==--
jeffj@scott.net w4jef@amsat.org	Reserve Patrol Captain
Satellite: Mir R0MIR-1, AO-27	Jefferson County Sheriff's Dept
200LX+BayPac+FT50=Portable Packet	QTH Birmingham, AL USA
*==--==--

Date: Mon, 8 Feb 1999 20:27:23 -0800
From: rfriess@ibm.net
To: <alexenko@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [32513] Re: Keyer kits?
Message-ID: <000c01be53e4\$830f00c0\$747d48a6@palm-desert>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Brent,

Check out the Tick keyers. <http://www.frontiernet.net/~embres/>

73,

Bob, N6CM

-----Original Message-----

From: Brent Alexenko <alexenko@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Monday, February 08, 1999 4:56 PM
Subject: Keyer kits?

>Hi all..

>

>I'm looking for a small keyer kit or pre-built keyer to add to an
>existing radio. I don't need a lot of bells and whistles, just
>something that I can run between my paddles and the radio. I've been
>considering something in the MFJ line, but I'd like to keep costs as low
>as possible. Being a graduate student doesn't pay very well! =)

>

>Anyone have any suggestions?

>

>Thanks!

>

>ABØFR

>

>

Date: Mon, 08 Feb 1999 22:39:44 -0600
From: Mike Mullins <mmullins@mastnet.net>
To: qrp-l@lehigh.edu
Subject: [32514] Dan's NW8020 kit for \$50
Message-ID: <3.0.5.32.19990208223944.007a0d80@mastnet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This is in response to a post from W. Phinizy regarding the NW8020 from Dan's. I bought one of Dan's \$50 radios for 40 meters about a year ago.

I'm happy with it, but it's definitely not a kit for a beginner. The main problem was that the silk screen on the board had several errors, and some of the parts are not well marked. If you follow the manual closely as well as the schematic, you'll do OK. If you've never put a kit together, you might want to spend slightly more on a better quality kit, such as from OHR or Small Wonder Labs. You get what you pay for. If you buy it and you have problems, ask for help.

Mine has ~200 KHz and a +/- KHz RIT, but no AGC. Get the optional audio filter, the rig has a lot of high frequency hiss without it. Right now I use a homebrew DSP filter.

At one time my entire station, including antenna, tuner, keyer, and paddle cost me less than \$100, but I'm well beyond that now to ~\$200. Good luck, Mike KD5CMN in Lake Jackson TX

Date: Mon, 8 Feb 1999 22:47:30 -0600
From: John M Andrews <n5inz@juno.com>
To: qrp-1@lehigh.edu
Subject: [32515] Re: [CW] King Hussein
Message-ID: <19990208.224731.3398.5.N5INZ@juno.com>

The mention of Hussein as a great statesman by the press is not overstated.

My first chat with him was on 80m. phone while I was in Europe. The Munich Games had just erupted in total chaos and the Euro-American community was in total shock and fearfull of similar acts.

He offered firm assurance that responsible governments would not tolerate such acts.

He will be missed as "one of our own".

72, N5INZ

You don't need to buy Internet access to use free Internet e-mail. Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html> or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 08 Feb 1999 23:02:19 -0600

From: Lee Bahr <bahr521@earthlink.net>
To: qrp-1@Lehigh.EDU
Subject: [32516] Elecraft K2 Report from another builder
Message-ID: <36BFC15B.9664276B@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

So far I have spent 15 hours working on my Elecraft K2 beta test kit. I have not been rushing this thing as this kit has lots of parts and the board is double sided. If you solder in a part in the wrong place, a lot of time is needed to rectify the problem. So far, I have not put any of the parts in the wrong place and all has gone smoothly. This rig looks like a Swiss watch inside. My boards are now mounted in the cabinet. The cabinet is the most precision cabinet I have ever seen for any rig. It is made up of many parts yet, I swear, it would almost hold water without leaking. The cabinet is a piece of art. All the buttons, knobs, plugs, jacks, dial, meter, standoffs, cabinet, interface together very well. All the screws fit the mating surfaces perfectly. The mechanical engineering on this rig is awesome. Tomorrow, I conduct my first electrical tests. These tests checks out the microprocessor circuits in the rig as the rig uses it's own on board computer located on a microprocessor board just behind the front panel board. I am now just starting to stuff the main RF board. As you build up the main RF board you also run tests on each section as you go. For the first time, I have been using Kester 245 NO CLEAN solder with 2% silver and .031 diameter. I got it at Mouser. It's part number is 533-24-7150-8800. A pound of it costs \$19.76. Up until now, I have been using Kester 44. I always felt it neccessary to de flux with Kester 44. Now that I have been using Kester 245, I find it not neccessary to do this. The K2 has lots of parts very close together. Trying to de flux a board like this would be a handful. I find, in most cases, Kester 245 does not require any de fluxing. Where I find it helpful, I use a little alcohol on a Q-tip. Not much of this is neccessary. I was told Kester 245 does not wet as well as Kester 44. I do not find this to be true. I find soldering just as easy with this Kester 245 as with Kester 44. Kester 245 has me spoiled. I don't think I will ever again use Kester 44 again. It sure makes soldering the K2 easier and my boards look beautiful! Lee Bahr w0vt

Date: Mon, 08 Feb 99 23:11:48 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-1@lehigh.edu>
Subject: [32517] CDDA help needed

Message-ID: <E10A5QX-00048t-00@smtp.ticnet.com>

Gang,

I wanna take this offline but I have to ask the group at large.

Is someone an expert/pseudo-expert/... on CDDA and audio CDs? Knows the diff between .aiff etc.?

I am working on a Morse CD. Using a UNIX system when I mount a CD I get .aiff files to showup in the form TrackNN.aiff I figure this is not the actual format as when I use cdrecord-1.6 to try to create a disk I get some byte count errors. This on a SGI 02 with IRIX 6.5 O/S for those in the know.

The reason for the questions is that I have the software to generate a training set of CDs with 140 min/disk and get people to greater than 50wpm. I just need the ability to translate. I have surfed but no help.

So please, the need for the info is not of general use to this group but the results may be as soon as I can get it all meshed together and email me in private and if needed I can summarize later on for those that really really gotta know..... TIA.

dit dit @ 80 wpm :-)

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Mon, 08 Feb 1999 20:22:32 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: N7YA@aol.com, "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [32518] Alaska Wildberry Chocolates
Message-ID: <36BFC618.3B96C36F@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings from Alaska!!

Welllll....I doubt I will be giving away a tower next year. Maybe more

chocolates again.

I picked up the box of "Alaska Wildberry Chocolates" today. That's what it says on the box...really. They have a huge factory here in Anchorage and make the chocolates right there. You can watch the production lines through the glass. I bought these right out in front of the viewing window. They also have a 20 foot chocolate waterfall filled with about 3500 pounds of chocolate. Shades of Willy Wonka and the Chocolate Factory.

So, Adam, I will get the prize mailed off in the next few days. I may even take a digital picture of the box to send off to selected QRPers to torture them.

Til next year...or the next time we all get on the air.

73, Jim, AL7FS

N7YA@aol.com wrote:

>

> < In a message dated 2/8/99 1:37:34 PM Pacific Standard Time,

> vole@primenet.com writes:

>

> << No sign of Jim AL7FS, Keeper of the Chocolate Wild

> Berries. Nuts! But heard at least two QRPers calling

> "CQ AK" and "CQ AL7FS". Guess I wasn't the only one who

> really wanted those berries! *8-) >>

>

> Ok, quit torturing me!! im really looking forward to getting those berries now! funny thing is i wasnt even aware that Jim was offering this prize....i just heard him out there (being in Seattle was the advantage) and thought it would be nice to give him a call.

> ok, i declare this a "gloat-free zone" <g>....but ive never won anything cool before, so im pretty jazzed about this. now i need to find the guy in a contest who is giving away the FT-1000D....im on a roll here! the dice are hot, i can feel it!! rumor has it that Jim will be giving away a 120' tower with stacked monobanders on it next year, and he'll even put it up for you....well, its just a rumor, dont quote me. :-) thanks guys for a fun contest, and thanks Jim for the berries, im getting anxious.....ill be there next year.

73...Adam, N7YA >>

--

73, Jim Larsen, AL7FS -- Anchorage, Alaska

QRP-L #114, QRP-Z #020, AK QRP #003, NW QRP #009 IA QRP #016

(BP51cc)@61.1009636 North 149.8237915 West(approximately)

mailto:al7fs@qsl.net ICQ 11022915 => <http://www.mirabilis.com/>

Date: Mon, 8 Feb 1999 22:29:47 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@lehigh.edu
Subject: [32519] Elmer 101 & Data Books
Message-ID: <Pine.SOL.3.91.990208212844.4946I-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The ELMER 101 BOOK

=====

is now available for \$12 (which INCLUDES first class postage to US/VE). This is virtually identical to the Fall 1998 issue of NorCal's QRPP. The main difference is the books are bound with a metal spiral binding to allow the pages to be opened and laid flat like a "lab book."

This special 88 pages issue of QRPP (and now "the book") contains all the lessons as posted to QRP-L when the Elmer 101 project ran and the step by step instructions for building the SW40+ kit by Small Wonders Labs. In addition, it contains numerous tutorials and additional circuit analysis, spice models, waveforms, etc. and some mods submitted by various authors. It is an excellent source for understanding how QRP rigs work and some real insight to circuit analysis and design ... including some from the designer himself (NN1G). It also contains the complete schematic diagram, a troubleshooting diagram, and ordering info for the SW+ kits (they are still available from Small Wonders Labs).

DATA BOOK FOR QRPers AND HOMEBREWERS by NA5N

=====

The Data Book is also still available for those so interested for \$20 plus \$2.50 postage. However, the girls at the print shop are still trained to process the Elmer 101 special for \$18 per book (which also INCLUDES postage to US/VE). So just write "Elmer 101" someplace on the envelope or note and save \$4.50 (we're easy). The data book contains data sheets on most of the components used in the SW+ rigs, as well as gobs of other components, IC's, etc. within its 288 pages. I go down to the print shop at least weekly and sign all outgoing books.

The Data Books are also available from Kanga U.S. and HB Electronics.

I think the policy for qrp-l is to contain "commercial" announcements to no more than one per month. Just blew this months quota :-) hi.

Order both books from:

Quicksilver Printing

P.O. Box 757

Socorro, New Mexico 87801

72, Paul NA5N

Date: Mon, 8 Feb 1999 23:28:02 -0500
From: wa8rxi@juno.com
To: N7YA@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [32520] Re: [CW] King Hussein
Message-ID: <19990209.011310.-384847.0.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Mon, 8 Feb 1999 22:28:34 EST N7YA@aol.com writes:
>In a message dated 2/8/99 6:44:55 PM Pacific Standard Time,
>ve3cqd@rac.ca
>writes:
>
><< Hi guys,
>
> Does any one remember the callsign of late King Hussein?
> >>
>heres one of the first of about 1/2 million replies to this...but it
>was JY1.
>my question is this...i know the Queen Noor is JY1NOR, but there are
>also
>other members of his immediate family that are hams as well, is the
>new King
>Abdullah a ham, does anyone know? thanks.
>
>
73...Adam, N7YA
=====

Adam,
>From ARRL Bulletin.
American born, Queen Noor is JY1NH.
King Hussien's brother, former Crown Prince Hassan is JY2HT,
his cousin Prince RAAD is JY2RZ

Rick - WA8RXI Taylor, MI.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 8 Feb 1999 23:24:11 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@lehigh.edu
Subject: [32521] Winter QRPp/2N2 Status
Message-ID: <Pine.SOL.3.91.990208223451.4946K-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm sure it must be no secret how busy a bunch of NorCal people have been lately with NC-20's and other activities. In fact, I am amazed at how much effort a handful of people put into making this a better hobby for us all between NorCal, the NJ QRP gang (Fireballs, Rainbow Tuners & AtlantiCon), the AZ ScQRPions (FYBO & Ft. Tuthill) and the host of rising regional clubs. And of course the commercial debut of the K2, all allowing QRP to grow and offer more and more fun.

The NC-20 kit was truly a huge effort far beyond what was first conceived, and thus took literally hundreds of hours by many individuals to make it the quality rig that it is (BTW - I haven't received mine yet Doug, inspite of slipping you that \$20 at PacifiCon!) Needless-to-say, that has made a few things slip, including the Winter QRPp. But it's now just about done and ready for the printer.

WINTER QRPp/2N2 ISSUE will be another very special construction issue featuring Jim Korge's, K8IQY award winning 2N2/40 rig. Jim has written an excellent article, breaking the 2N2222-only-rig into sections, with each section containing detailed Circuit Analysis, step-by-step construction instructions, and testing procedures as you go along. I have been working with Jim pretty intensely over the past 6 weeks in doing all the illustrations. The final product, I believe, is a first for QRP, if not homebrewing itself. The rig is broken down to approximately 2x3 inch "footprint" areas, with detailed assembly drawings (14 total) on how to build it literally STEP-BY-STEP. Every 2N2222, crystal, resistor, capacitor and diode is fully illustrated so everyone with a soldering iron can build a very good performing rig FROM SCRATCH by just following the illustrations. Every toroid has a separate, detailed drawing. The entire rig is built on a 5x7 piece of

copper clad using the "pad" technique, also fully illustrated on how to make the pads, glue them in place, etc. Plus, there are spectrum analyzer and oscilloscope waveforms included plotted from Jim's 2N2/40 that supplements the circuit tutorials and testing sections. This portion is 48 pages.

Preston Douglas, WJ1V, has also built Jim's 2N2/40 just from the schematic (before I finished the illustrations) and ended up with a rig of virtually the same performance specifications. Preston has also written an article on how he built his, how he did things, and to give another perspective and approach to building the 2N2/40 that is a valuable addition in itself, including photos, that will also be part of this QRPP.

If you've ever wanted to build a QRP transceiver from scratch, this is the one to build. Myself, Jim Kortge, Preston Douglas and Doug Hendricks have put countless hours in preparing the 2N2 construction special to make it a self-guided course and assembly manual, even for those with little building experience. We think it will be a classic for QRP homebrewers (even if you decide to build your own circuits). Doug has just completed proofing and editing the issue, the final camera work on the photos and illustrations are about done, and hopefully it will go to press starting next week. This issue will be mailed to those with active subscriptions as of February 20th, the cut-off date for printing out the address labels. And like the Elmer 101 special issue, this 2N2 construction special will also be part of the QRPP bound volumes for 1998, and made available at a later time as a separate book. Doug is working on the Spring 99 issue now, and that should be published on time to get things back on track (mid-April or so).

And by the way, the 2N2/40 will be one of the categories for the PacificCon building contest, based on building it per the article, or adding your own flavor. Of course, I'm sure there will be categories for NC-20's, K2's, SW pluses, FB-40's ... gee, are we having fun yet?

72, Paul NA5N

QRPP illustrator ... slower than the impeachment hearings.

Date: Mon, 8 Feb 1999 22:34:38 -0800
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: <N7YA@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [32522] Re: [CW] King Hussein
Message-ID: <19990209063603.HONS1339@oemcomputer>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Adam wrote:

>i know the Queen Noor is JY1NOR,

Interesting, but if correct, it means things have changed significantly in the last few years.

1) KING HUSSEIN had calls issued for Queen Noor and others in the ROYAL FAMILY to reflect their identities....

Queen Noor, when I lived in Amman, was named Noor al-Hussein and her radio call was JY1NH (NH were her initials)... That was still her call according to the latest callbook I have (5-years-old).

2) King Hussein's brothers were JY2MT (for his initials: Mohammed bin Talal), and JY2HT (Hassan bin Talal).

Both were princes -- though not very active hams. His uncle, whom I saw in the television coverage of the funeral today, Prince Raad bin Zeid is JY2RZ and the chairman of the Royal Jordanian Radio Amateur Society.

3) When JY1's youngest daughter was born in 1985-or-86 (I forget which), she was granted the call JY2RBH according to the custodian of calls at the Royal Jordanian Amateur Radio Society (her name was Raya Bint Hussein--which meant Raya, daughter of Hussein).....she was 2-or-3 days old when she got her call -- I don't think CW was an issue.

4) When I lived there,

- JY1 prefix was reserved for King and Queen

- JY2 was for the other members of royal family

- JY3 was for long-standing amateurs, loyal friends from the military, etc

- JY4 was for almost-as-long-standing amateurs

- JY5 was for Jordanian newcomers

- JY6 club stations

- JY7 special calls

- JY8 short-term visitors (non Jordanians)

- JY9 non-Jordanians who were permanent residents

5) Also when I lived there, call suffixes were unique -- on His Majesty King Hussein's 50th birthday, for example, all hams used the prefix JY50 with their own suffix. Unique suffixes were a problem for my QSL manager who came to visit: WA6POZ wanted to get his own initials for his call -- JY8GG. But there already was a JY5GG, so he had to settle for JY8G0.

Things do change -- but that was the way it used to be in the Hashemite Kingdom of Jordan (from where I worked 80 countries running 5w on 20m during the summer of 1985 from a wire antenna on my 6th floor hotel room

balcony!).

Best 72/73 de alan, ex-JY9RL (1985-87)

Alan Kaul, W6RCL, LaCanada-Flintridge, CA
http://home.att.net/~alan.kaul/qrp.html
alan.kaul@worldnet.att.net
w6rcl@amsat.org

Date: Tue, 9 Feb 1999 01:54:04 EST
From: N7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [32523] Re: Alaska Wildberry Chocolates
Message-ID: <3fb1211c.36bfdb8c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 2/8/99 9:27:32 PM Pacific Standard Time,
al7fs@pobox.alaska.net writes:

<< So, Adam, I will get the prize mailed off in the next few days. I may even take a digital picture of the box to send off to selected QRPers to torture them. >>

heh heh, Thanks Jim. i think you also mentioned having pics of the award drawing, i would like to see them. maybe i will take pictures of me enjoying a berry with chocolate all over my mug and post it to torture everyone, it is then that i think no one will call me during the FYBO next year, all my cq's will go without response, i fear....oh well, it'll be worth it! :-)

but i do think posting a pic like that will put AL7FS in the top spot with everyone trying to work you next year. and ok, i was just bluffing about the tower.....after the description of the huge chocolate waterfall (or is it...chocofall?), the berries will be prize enough!

Ill probably have to hide them from my wife anyway.

73...Adam, N7YA

Date: Tue, 9 Feb 1999 00:19:41 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@lehigh.edu
Subject: [32524] Speaking of effort (was 2N2 ...)
Message-ID: <Pine.SOL.3.91.990209000935.4946S-100000@zia>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Speaking of all the efforts some individuals give to the hobby, I realized I omitted Chuck Adams, K5F0 ... and probably a few more. The problem with listing a few, is you always leave off a few!

For you newcomers to QRP-L, it was Chuck K5F0 that started this wonderful group that we all have come to enjoy, live for, and have developed such strong friendships. And of course his current Elmering series that is the result of hours of preparations, willingly donated to share with others. He's another one of those who is just so "omnipotent" in the hobby, you forget he's there and take him for granted. Sorry Chuck.

And no ... Chuck did not email me (though a couple of you did) about this. I offer it willingly after a couple of polite reminders.

72, Paul NA5N

Date: Tue, 09 Feb 1999 00:20:17 -0800
From: Mighty Mik <mitymik@hooked.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [32525] Anodized cases for Norcal 20...
Message-ID: <36BFEFBF.B0AFEFA7@hooked.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

what a KILLER combo! I'd be really tempted to get one if this were offered when the kit goes commercial. Another service offered by some companies that do anodizing is LASER etching. Imagine a case in your choice of color with your callsign etched into the case.

Teal gets my vote.

WD8MNV/6 Mick

Date: Tue, 09 Feb 1999 05:41:22 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: mmullins@mastnet.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32526] Re: Dan's NW8020 kit for \$50
Message-ID: <36C010D1.BAC@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike,

The NW8020 Kit sold by Dan's is a copy of the original sold by Emtech. If you ha bought the Emtech kit you probably would not have run into the problems you did! Emtech always showed itself to be very interested in the outcome of their kits. Emtech has also made additions to the kit that Dan's does not have.

No connection to Emtech -- in fact they are a competitor as a vendor., but I wanted to straighten this out.

73

Date: Tue, 9 Feb 1999 02:13:56 -0900
From: Alaska QRP Club <akqrp@eagle.ptialaska.net>
To: qrp-1@lehigh.edu
Subject: [32527] Club News from the Frozen North...
Message-ID: <v03007806b2e5c7e853db@[209.193.12.118]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

Just in case you haven't dropped by the Alaska QRP Club web site for a while, please stop by and take a look at our new face... We have changed the page over to a frames format and streamlined the old no frames site so things should be faster and more convenient... Whichever you choose to use, please let us know how it is working for you...

Take a look at our latest addition from Jim Larsen - AL7FS - AK/QRP #003... Jim is writing a series of articles to help Hams who would like to get a start in QRP but are not quite sure how... His first installment is aptly titled "QRP - Getting Started"... Jim's effort will run in the Anchorage and Fairbanks club newsletters, bringing many new hams into the QRP fold... For the old hands in the crowd, here is an example of what can

be done in your local club's newsletter... In fact, Jim has graciously given rights for anyone to reproduce his work... Details can be found at the end of his article... Thanks Jim, for your time and effort... We will be looking forward to next months installment...

The KL7AQC/B beacon is now up pretty much all the time and when we get a break in the cold weather, I will move it to its final site and install a full size J-Pole as its radiator...

Take care and have fun... See you on the bands...

72 - Bruce - KL7H

Alaska QRP Club - KL7AQC

Alaska QRP Club 10 Meter Beacon - KL7AQC - 28.282.5

Alaska QRP Club Web Site: <http://www.ptialaska.net/~bhoppers/akqrp/>

Date: Tue, 09 Feb 1999 06:22:25 -0500
From: mikemo@ibm.net
To: alan.kaul@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32528] Re: [CW] King Hussein
Message-ID: <36C01A71.175@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Alan Kaul W6RCL wrote:

> JY1 prefix was reserved for King and Queen

In the words of Mel Brooks, "It's good to be the king" ;-)

I'm sorry I never got a chance to work King Hussein, but my Grandfather WB4HCY (SK) did. He was rather proud of that QSO.

72 de ku4qo

Date: Tue, 9 Feb 1999 11:42:24 +0000
From: Patrick M Kvitkauskas <pmk@juno.com>
To: qrp-1@lehigh.edu

Subject: [32529] Hamcation update
Message-ID: <19990209.114226.12070.0.pmk@juno.com>

Well it looks like 7 of us will meet up at the
Icom Funmobile at 11:00am Saturday morning.
Here is who I have on the roster so far.

WQ4U Tom
WB4CHK Dave
WD4ET Jeff
N5HF Henry
W4BWS Don
N1TP Tom
KD4OBQ Patrick

If you are not on the list send me a note
and I'll get you on the roster. I have name
tags printed up for those who are showing
up so far.

See you there
72 Patrick KD4OBQ

AR

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 9 Feb 1999 07:22:01 -0500
From: Fred J Kalt <w2xn@juno.com>
To: qrp-l@lehigh.edu
Subject: [32530] King Hussein and His Family Callsigns
Message-ID: <19990209.072202.-920211.1.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For those of you who don't get to see the ARRL Bulletins this will
explain the calls of Jordan:

Fred W2XN (reply to: w2xn@arrl.net)
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP

#233 QRP-L #1728

My Web Page:

<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

SB SPCL @ ARL \$ARLX001ARLX001 King Hussein, JY1, SKZCZC AX01QST de W1AW
Special Bulletin 1 ARLX001From ARRL Headquarters
Newington CT February 8, 1999To all radio amateurs SB SPCL ARL ARLX001
ARLX001 King Hussein, JY1, SK

Radio amateurs around the world joined in mourning the death over the weekend of Jordan's King Hussein, JY1. Hussein, 63, died Sunday morning. The Middle East's longest-reigning ruler, he'd been Jordan's king for 47 years, taking the throne when he was just a teenager. His son, Abdullah, 37, succeeds him.

Hussein had earned a reputation as a catalyst for peace and as a conciliator in the Middle East. President Clinton is among the heads of state from around the globe gathered in Jordan today for King Hussein's funeral.

Hussein was a life member of the ARRL. ARRL Executive Vice President David Sumner, K1ZZ, called him "an enthusiastic radio amateur whose support was invaluable to us in obtaining new amateur bands at the 1979 World Administrative Radio Conference." Sumner recalled that in May 1979, International Amateur Radio Union President Noel Eaton, VE3CJ, was invited to Amman to meet with KingHussein.

"Jordan's support of the Amateur Service was much in evidence at the conference that fall, and was a crucial element in our success," Sumner said. The WARC-79 resulted in Amateur Radio's gaining the 30, 17, and 12-meter bands. That same year, JY1 was featured in the film, "The World of Amateur Radio." Hussein regarded his 1983 contact with Owen Garriott, W5LFL, on board the Space Shuttle Columbia, as a high point in his Amateur Radio activity.

King Hussein also participated in the historic 1995 joint Israel-Jordan JY74X operation on Mt Nebo, where hams from both countries participated in a Field Day-like operation. The King put in appearances both on the air and in person, much to the delight of the participants and those waiting to work him and JY74X.

Hussein's friend Bruce "Blackie" Blackburn, W4TA/JY9BB, of St Petersburg, Florida, called him "one of the world's most respected amateurs" and recounted many stories about King Hussein as a person and an avid Amateur Radio operator. "He was a wonderful guy, interested in everything and everyone," he said.

Blackburn said King Hussein "promoted Amateur Radio to the hilt in Jordan" and saw to it that Amateur Radio classes were instituted in elementary schools. King Hussein also dropped in on meetings of the Royal Jordan Radio Amateur Society in Amman. King Hussein also was involved with the early satellite experiments.

Hussein had been active in recent months from the US while seeking

cancer treatment at Minnesota's Mayo Clinic. A QSO with JY1 was considered by many hams to be both an honor and a privilege. His elegant QSL card was prized. AMSAT Area Coordinator Bruce Paige, KK5DO, in Houston, worked JY1 while the king was in the US last summer. "That was a very exciting moment for me," he said. Pat Kilroy, WD8LAQ, says he enjoyed a three-minute contact on 20 meters with King Hussein in the fall of 1995. "JY1 was traveling aeronautical mobile, enroute to the United Nations. He insisted on me addressing him simply as 'Hussein'," he said. "In one of the oldest traditions in Amateur Radio, Hussein upheld that this kinship transverses not only age and nationality, but also between citizen and head of state.

All members of the Jordanian royal family automatically have Amateur Radio privileges in Jordan. Although the new king does not appear to have a call sign, King Hussein's widow--the American-born Queen Noor--is JY1NH. King Hussein's brother, the former Crown Prince Hassan, is JY2HT, while his cousin, Prince Raad, JY2RZ, is chairman of the Royal Jordan Radio Amateur Society.

Date: Tue, 09 Feb 1999 07:38:22 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: QRP-L@lehigh.EDU
Subject: [32531] JY1
Message-ID: <36C02C3E.61CA@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yesterday morning's Letters to the Editor in the Washington Post included a lead letter from Armin Meyer, W3ACE, "Remembering JY1". Mr. Meyer was our Ambassador to Lebanon and also to Iran.

Mr. Meyer said King Hussein, often referred to in the State Department as "BYK" (Brave Young King) could always be counted on for fairness and realism. Mr. Meyer's letter contains several interesting examples of JY1 in action as an amateur radio operator. Mr. Meyer's relationship with the King goes back to 1947.

A fitting eulogy to the King, a fellow ham and a true leader in the Middle East.

73,

(I should note Mr. Meyers did not include his call, but he is the only one listed in QRZ.COM)

Date: Tue, 09 Feb 1999 07:51:18 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-1@lehigh.edu
Cc: cw@qth.net
Subject: [32532] [TenTec] Ride needed to Dayton Hamfest from Phila area
Message-ID: <3.0.5.32.19990209075118.007d56d0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

if anyone can help this gent, please contact him. Maybe a future Qrper
here<g>.

tnx es 72/73 de Scott/n3byy
Fists #5030
Laurel MD

>Reply-To: <dlrwild1@voicenet.com>
>From: "Bob Wilderman" <dlrwild1@voicenet.com>
>To: <tentec@contesting.com>
>Subject: [TenTec] Ride needed to Dayton Hamfest from Phila area
>Date: Mon, 8 Feb 1999 19:16:24 -0500
>X-MSMail-Priority: High
>X-Mailer: Microsoft Internet Mail 4.70.1157
>Sender: owner-tentec@contesting.com
>X-Sponsor: W4AN, KM3T, N5KO & AD1C
>
>
>Hello Ten Tec Reflector members:
>My name is Bob Wilderman, K3SR0. I am trying to find a ride to the Dayton
>Hamfest this year. I am also looking for a motel room to share. I will
>split all room expenses, gas, tolls etc. I live 25 miles NW of Phila. I
>belong to the Warminster Amateur Radio Club, but all rides are full. If you
>can help or know someone looking for someone to share the long drive and
>expenses, please contact me at 215-822-7474 or you can e-mail me at
>dlrwild1@voicenet.com
>I have never been to Dayton. I am looking forward to making this dream
>come true. I would love to see the new Ten Tec gear on display, meet Tom
>Salvetti in person after talking to him many times on the phone. Thanks.
>
>Bob Wilderman
>K3SR0
>dlrwild1@voicenet.com
>215-822-7474
>
>--

>FAQ on WWW: <http://www.contesting.com/tentecfaq.htm>
>Submissions: tentec@contesting.com
>Administrative requests: tentec-REQUEST@contesting.com
>Problems: owner-tentec@contesting.com
>Search: <http://www.contesting.com/km9p/search.htm>
>
>
>

Date: Tue, 09 Feb 1999 09:36:14 -0500
From: Zack Lau <zlau@arrl.org>
To: qrp-1@lehigh.edu
Subject: [32533] W1VT FYBO
Message-ID: <36C047DE.44313138@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

2.6 hours--about 66 QSOs--do they count if they sent the
outdoor temp when you think they were home stations?

27 mult and battery power for 3564 ponts?

Sorry about needing repeats--had some trouble with interference
at times--even with solid s5 signals. Might be a residual from
the stroke--73 Zack W1VT Newington CT

Date: Tue, 09 Feb 99 08:55:56 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp-1@lehigh.edu
Subject: [32534] Current Solar Activity
Message-ID: <E10AEXq-0005vJ-00@smtp.ticnet.com>

Gang,

Paul Harden, NA5N, aperiodically posts reports on solar
activity which is very important to those that want to know
what current conditions are. In the "information age" we
have become spoiled and in some way have contributed/joined

in the instant gratification thingy. We want information and we don't want it 30 days late as we did when the only information you could get in Wink TX and small towns was by monthly magazines like QST etc. and by listening to WWV when they started the SF announcements. They weren't always there and we didn't know a lot of stuff back then either.

Here are three URLs that I have in the bookmarks (FYI). I usually check this out almost daily to see if I need to go to 17M. Everytime I lose the bookmarks these are among the first to get reinstalled. :-) I think I have enough typing experience to get them right, but no guarantees, but these are the best IMHO:

<http://www.dxl.com/solar/>

<http://www.ips.gov.au/learnmonth/solar/index.html>

<http://vtt.sunspot.noao.edu/sunpic.html>

The first is important as it is updated daily around 0430UTC. You can see the trends and guess what is about to happen and at least know what the next few days are in SF, sunspot, and A-index values. Nice graphics and then after the graph are predictions and comments on solar wind, geomagnetic activity, etc.

The second URL is a H-Alpha (Hydrogen-Alpha) photograph showing a picture of what surface activity is like on the sun. And a white light photograph where you can actually see the sunspots that are on the earth's side of the sun. You used to have to get out a telescope with appropriate filters and do this yourself. Now you can do all this stuff with your tush in front of the tube.

And the last one is a current digitized H-Alpha picture in black and white. What is funny about this one is that when it is all black it is nighttime at the observation position. :-) or it's cloudy or both.....

For the physics of all that is going on you might wanna read some of the propagation books, get some astronomy books, and take a few classes. Let us know when you understand it all and get the Nobel Prize in Physics.... :-) It is all work in progress for the human race.

OK, what brought all this on. Well the SF hit a minimum a few days and ago and is coming back with a vengeance (TX talk for a rapid increase) and by the weekend or thereafter the SF (solar flux) will be in the 150s or so again.

I was gonna post a \$20 prize for a NC20 Contest on the 20th for the most 2xNC20 Qs but alas that can't be done. But maybe something like a NC20 in 20 days test starting at 2359UTC on the 20th and going for 20 days. The \$20 to help pay for paint and lettering on the NC20. I'll post later if there is enough interest. This will give people time to get theirs built. Just a fun exercise and get the calls of some of the people that got and built one. To get one and not build it doesn't count. :-)

But something to consider. The weekend of the 20th is the ARRL DX Contest CW. For those of you that have listened during this time it is bedlam on the non-WARC bands from 0000UTC Saturday morning (Friday night in the USofA for the UTC disadvantaged) until 2359.9UTC on Sunday night/evening. If you have your NC20 built (or any other rig on 20M) by then it is a great chance to rack up the QRP country count, 'cuz they will all be on. Probably won't have much of a fighting chance up front due to the QRO guys and girls and their \$N-thousand antennas, but on Sunday the DX stations will be begging for contacts. They have the best equipment and the best ears in the business. They are patient and they will put in a good effort to work you if they can hear you in or just above the noise level. Just have a good fist and a good clean signal and they can work you. Fox hunt experience will guarantee you a lot of Qs.

OH, don't take it personal gang. The UTC-disadvantaged notes that you see frequently is an inside joke on QRP-L. You should have been here early on the the life of this group when I started the foxhunt. :-) I required that all dates/times/info be in UTC. It is the official world ham time stamp of approval and is Y2K compliant. ;-)
Lot's of guys and girls learned it in a hurry and let's hope they appreciate the reality of it all....

The idea of the 20 day NC20 2xNC20 on 20 at 20wpm for \$20 contest is still in the thinking process... 20-20-20-20-20 or 5x20? or 20/20 (tm of some TV network). New Andrew Jackson photograph as first place.

OK, back to work in progress. Build 'em and put 'em on the air gang. The more the merrier.

dit dit

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Tue, 9 Feb 1999 10:26:31 -0500 (EST)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>
Cc: Laurel ARC <larc-l@webtrek.com>, eax@w3eax.umd.edu
Subject: [32535] Oregon FYB0
Message-ID: <Pine.LNX.3.95.990207104424.1567A-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Was there nobody on from Washington??? Anyone else from Oregon???

At any rate, this was a fun contest. The great thing about doing it /mobile is that

- 1) The temp in the car is slightly regulated
- 2) You still get to experience the elements (more on that later)
- 3) You stay pretty much dry

I actually only parked on top of Skinner's Butte (looking down on downtown Eugene) between the hours of 11:30 a.m. and 2 p.m. The rest of my operating time was garnered in transit from place to place.

Interestingly enough, my local radio club (Valley Radio Club) started an annual event Friday night for its members...

"The VRC WAS contest"

Contest starts Friday, Feb. 5, immediately after meeting's end, and concludes March 5, immediately before next meeting.

In that time, the goal is to work all states (not to confirm them). There are CW and phone classes, as well as QRP, low power, and high power classes. Guess which I now have a good start in?

Thanks to yesterday and the so-so conditions experienced, I've got 19 states worked already, some of them east of the Mississipp (NH, CT, GA, PA, FL, VA, TN, MI) plus the somewhat rare SD (thanks, Ade), NE, and IA, and AK and HI (worked Sam from the parking lot at the mall).

I also heard WQ3RP, my old club, on 15m...CHRIS, WHERE'D YOU GO???

Unfortunately, not all QSOs were valid for FYBO because the person worked was working another contest, and I felt like the concept of "temp?" would, as in the past, tend to confuse someone who wasn't participating.

In addition, I copied nearly everything sent BUT when you're in motion, logging is kinda difficult, so I basically gave the log tape what I could remember, which was usually callsign and state.

RAW QSOs = 36

SPCs = 19

Coldest temp recorded at operating position = 48 F

Of course, I won't submit a score this time since some of the Qs aren't official, and this is about as public as it gets :)

Oh yeah, I got to see the storm bands come over the mountains and down through the valley to pound the town. Car was rocking from side to side in the wind, sleet and hail pelting everything, blown by a 40 mph+ wind. Windows rattling...but antenna still standing!

Scott Rosenfeld ARS N7JI
541-346-7401 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Tue, 9 Feb 1999 11:20:42 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32536] Re: Oregon FYBO
Message-ID: <Pine.LNX.3.93.990209111257.449A-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 9 Feb 1999, Scott Rosenfeld [N7JI] wrote:

> I also heard WQ3RP, my old club, on 15m...CHRIS, WHERE'D YOU GO???
> Scott Rosenfeld ARS N7JI

Probably to 20:) I'll have to check the log for the band, but N3BYY was at the key, and I was outside the tent, ummm... setting some used coffee free:) and I heard N(something)JI, and yelled "THAT'S SCOTT", back in

the tent, on the paddles... Turns out it was N5JI :(But we were listening fer ya:)

We upped last years score (and QSO pts, mults) to about 95,000, but still never got really cold... The dry ice seems like a much better idea now:)

72

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 9 Feb 1999 16:18:54 +0100
From: Charlos Potma <Charlos.Potma@rivm.nl>
To: qrp-l@Lehigh.EDU
Subject: [32537] A do-it-yourself high-level mixer
Message-ID: <C1256713.00498528.00@notesmta.rivm.nl>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I have built a few high-level mixers using the FAIRCHILD FST3125 bus-switch from an article in RadCom, and have verified, to a large extent, the author's IP3 claim of +45 dBm. My results varied between +41 and +44 dBm. See: <http://www.geocities.com/CapeCanaveral/Lab/9595/>

73,
Charlos potma, PA3CKR

Date: Tue, 9 Feb 1999 10:27:38 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp1_Submit (E-mail)" <qrp-l@Lehigh.EDU>, "klqrp_submit (E-mail)" <klqrp@waterw.com>, "GQRP-list (E-mail)" <gqrp-l@blacksheep.org>
Cc: "_AAAA_NOGA_onlist (E-mail)" <nogaqrp@qth.net>
Subject: [32538] North Gerogia QRP (NOGA) Club Meeting Summary and Pixs On-line
Message-ID: <21E06269B00ED111BE9B00805F6D0FA3657EC3@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

The North Georgia QRP club (NOGA) met on Feb 6th at the TechAmerica store in north Atlanta and had a record attendance. For anyone in driving distance of Atlanta we would welcome you to join our club (actually no effort is required other than letting us know your interested). We are starting bi-monthly meetings in April (The first Saturdays of the even numbered months) due in part to the increased local interest. So April 3rd is the next meeting. To get an idea about our meetings (informal, no dues, no officers, no agenda) and activities checkout my web page for the meeting notes of this last meeting. Jim Stafford W4QO is hosting the NOGA web page until we have secure a permanent NOGA web page service. Check it out for information about the club.

NOGA Web page <http://www.america.net/~w4qo/nogaqrp.html>

Sam Billingsley AE4GX Atlanta (Buckhead), GA
<http://mindspring.com/~ae4gx/>

Date: Tue, 09 Feb 1999 08:44:55 -0700
From: Dave Ek <ekdave@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [32539] More 15m qrp kit obsessing--SW+15?
Message-ID: <3.0.6.32.19990209084455.0079fd40@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Okay, I'm still thinking about ways to put a 15m rig on the air (that involve solderin' & figurin' & stuff). Has anyone thought about moving an SW+20 to 15? Seems straightforward enough--change the VFO to 12 MHz (assuming that my recollection of a 9 MHz IF is correct), change some tuned circuits on the tx side for resonance at different frequencies, change the output low-pass filter, etc. Of course I've simplified things here, but you get the picture.

Two questions:

1) Are their fundamental problems with the SW+ design that make it unsuitable for the higher bands? I seem to recall a comment from long ago regarding the rx sensitivity being a problem, but the details escape me. And, frankly, I'm not smart enough on radio stuff yet to know what types of problems to anticipate.

2) Anyone interested in collaborating on such an effort? Email me direct.

72 de Dave AB0G0
Colorado Springs

Date: Tue, 09 Feb 1999 08:37:30 -0700
From: Dave Ek <ekdave@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [32540] small qrp world (FYBO KE6WYA de AB0G0)
Message-ID: <3.0.6.32.19990209083730.0079f100@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I worked Bob KE6WYA last night on 40m CW--nice ragchew. Got to talking about hobbies and I mentioned that I "spent Saturday on a mountaintop playing in a QRP contest." He came back with "I worked FYBO too with some other hams." Small world! Couldn't get any more details--the QSB got him. He doesn't appear to be a list subscriber--anybody here in his FYBO party? I'd like to drop him an email but can't find an address for him. Can anyone help?

72 de Dave AB0G0
Colorado Springs

Date: Tue, 9 Feb 1999 08:06:59 -0800
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [32541] Re: JY1
Message-ID: <19990209160820.EWWY2079@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bruce wrote:

>Mr. Meyer said King Hussein, often referred to in the State Department as "BYK" (Brave Young King) <<

Journalists working in the Middle East often communicated with each other

via telex and developed "codes" because we knew the telex messages were often intercepted and copied for the various governments.

JY1 was known to journalists as "PLK" (Plucky Little King)
And Israel was referred to as "Dixie"

If you were entering an Arab country (which considered itself in a state of war with Israel long after the daily shooting stopped) an Israeli stamp in your passport could get you stopped at the airport and prevented from entering---I saw that happen to an ABC soundman once in Libya. Most of us carried two passports to avoid that kind of problem -- one for Israel ONLY and the other for the Arab world.

JY1, R-I-P.

Alan Kaul, W6RCL, LaCanada-Flintridge, CA
<http://home.att.net/~alan.kaul/qrp.html>
alan.kaul@worldnet.att.net
w6rcl@amsat.org

Date: Tue, 09 Feb 1999 09:29:17 -0700
From: Larry East <w1hue@amsat.org>
To: qrp-l@lehigh.edu
Cc: Chuck Adams <adams@ticnet.com>
Subject: [32542] NC20 - Comments on Chirp, etc.
Message-ID: <3.0.3.32.19990209092917.00911a60@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I haven't built my NC20 yet, but I have a couple of comments: One concerning the transmitter "chirp" noticed by Chuck Adams when operating from a poorly regulated power supply and caution concerning the LM380 audio amp.

1. Possible Chirp Cause

After reading Chuck's posts concerning the slight chirp that he noted when running his NC20 from a small gell-cell or a PS-9 power supply (not particularly well regulated), I decided to look at the NC20 schematic to see if I could determine what might be the cause. The most likely cause, in my opinion, is a drop in the reference voltage at pin 3 of U1 caused by a drop in the output of U2 (78L08 voltage regulator) when the 12V supply voltage "sags" under transmit load.

The voltage sensitivity of the VFO can be estimated as follows: According

to the manual, the RIT control should produce a +/- shift of about 0.1V (100mV) at the output (pin 6) of U1 when using the 100K feedback resistor (for a 1T pot). The manual also states that this should produce a frequency shift of about +/- 1.5 kHz (or 1500 Hz). Thus a 10mV change at the output of U1 would produce a frequency shift of about 150 Hz -- enough to produce a very noticeable chirp. Since the chirp in Chuck's rig is barely noticeable, lets assume that the frequency shift is between 50 and 100 Hz. A shift on the order of 5mV at the output of U1 would be enough to produce such a frequency shift.

Ignoring the influence of VR1 for the moment, note that one-half of any voltage change in the output of U2 will appear at the output of U1 when the 100K feedback resistor is used; if the 220K resistor is used (for a 10T pot), the entire change will appear at the output of U1. Since the 8V output of U2 is also across VR1 which feeds the inverting input of U1, we should get no change in the output of U1 for changes in the output of U2 when VR1 is near the center of its range. However, when VR1 is away from its center position, a change in the output of U2 will cause a voltage change at the output of U1.

Looking at the 78L08 input regulation specs, I estimate that a 0.5 - 1.0V change in input voltage (centered around 12.5V) could produce a change on the order of 5mV in the output.

OK, this all looks good on paper, but what sort of change in the output of a 78L08 as a function of input voltage really occurs? To find out, I decided to make some measurements. I couldn't find a 78L08 in my parts stash but I have several 78L09's. I selected a 78L09 at random, hooked it up to my variable power supply and applied a 470 resistor across its output (about a 20mA load). Monitoring the input and output voltages, I found that a 1.5V change in the input (centered around 13.5V) produced a change in the output of about 10mV. This agrees with my above estimate.

Thus if Chuck's power supply voltage "sags" by about 0.5 or so and VR1 (the frequency control) is away from its center position (which it probably is for operation at 14.060 MHz), then that could account for the slight chirp.

Chuck: If you want to perform a little experiment, connect a frequency counter (with a resolution of 10Hz or better) to the VFO output and look for a frequency shift when the transmitter is keyed (when you are using your small gell-cell). Check the frequency shift as a function of output frequency -- if my diagnosis is correct, the shift should go to zero as VR1 approaches its center position and then reverse direction.

So, what are the alternatives? Several come to mind:

- a) Live with the chirp (it give the rig a distinct sound... :-).
- b) Use a well regulated power source.

c) Build a regulating DC-DC converter to get rid of sagging battery voltage (an article in the April issue of the ARCI QRP Quarterly will tell you how to do this.)

d) "Double regulate" the reference voltage applied to the pin 3 of U1 and the frequency control pot (VR1).

Option d) would be my choice. I will probably install a 78L06 (or maybe a 78L05) between the output of U2 and the junction of R1 and R3. (I'll probably have to mount it on the bottom of the board.) The value of R3 will have to be reduced to maintain 4V at pin 3 of U1. R1 will also have to be reduced (or R100 increased). I leave it as a exercise for the reader to determine the proper resistor sizes... :-)

2. LM380 Caution

At full output power, an LM380 audio amp will dissipate on the order of 5 - 7W. Pins 3,4,5 and 10,11,12 are connected to the IC's substrate and are intended to direct heat to the PC board and/or an external heat sink. The design of the NC20 PC board does not specifically provide a heat sink for the LM380. However, this should not be a problem since the LM380 will not be operating anywhere near its rated 2.5W output in the NC20 -- unless the circuit is modified by reducing the size of R56 and R57. Some builders might be tempted to do this to get higher output from a speaker (enough to annoy their neighbors and/or teenage children...). If you do modify the circuit for higher output, monitor the LM380 for possible overheating -- especially if you mount it in a socket.

72 and good building --

Larry W1HUE/7

Date: Tue, 9 Feb 1999 09:34:44 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: zlau@arrl.org
Cc: qrp-l@Lehigh.EDU
Subject: [32543] Re: W1VT FYBO
Message-ID: <199902091634.JAA08755@usr08.primenet.com>

Howdy Zack, (cc: QRP-L)

Zack (W1VT) wrote:

>

> 2.6 hours--about 66 QSOs--do they count if they sent the

> outdoor temp when you think they were home stations?

You shouldn't have to worry about that. If they sent it and you recorded it, you've held up your end of the bargain. Besides, some folks were set up in their garages. That's good for 40F in most states right now. :-)

Thanks for the QSO Zack! Before you and WQ3RP came along, I was worried the Dark RF Curtain of Doom had descended across the Appalachians again. :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Tue, 9 Feb 1999 11:38:23 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "QRP Mail List" <qrp-l@Lehigh.EDU>
Subject: [32544] SPAMed
Message-ID: <017901be544a\$9c70bde0\$8805010a@myetsko.insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I was SPAMed. And I think it was from someone who had a contact on one of my list. And unfortunately I think it was this one, only because it came right after I started being active here.

This is a new tactic. The SPAM came through as 'Information you requested'.

Well, I responded to EVERY single address I could find in the header envelope, with sysadmin, admin, supervisor, etc. With a scathing message to not do it again.

So, the reason I'm posting this..... Have other people here been spamed from this newsgroup? And how aggressive do you respond?

Mike Yetsko
N1DVJ

Date: Tue, 09 Feb 1999 09:37:54 -0700
From: Brian Kassel <bkassel@dancris.com>
To: qrp-1@Lehigh.EDU
Subject: [32545] FYBO - W5VBO
Message-ID: <36C06462.ACC2125B@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gangue:

Well I decided to do a home entry this year, so I was located out on my patio. Lowest temp was 39F right at setup time. It got up to 66 at the middle of the day. I operated most of the 12 hours, with breaks for breakfast etc.

I used my 3 el tribander at 37 ft., and my Butternut HF-2 vertical on 40M. I ran 5W with my QRP+.

I noticed that several CO stations were extremely strong, probably sporadic E propagation. I also really enjoyed working the mw entries, amazing.

I was surprised at how well 15m held up. I made plenty of QSO's there. Nothing heard on 10M, 20M was my mainstay band. I was able to put AL7FS, KL7H, and HP1AC in my log, thanks guys.

I also used a new duping/logging program which I have written in Visual Basic on my ancient 386-20 notebook machine. I expected a few problems and bugs, but only had a few "speed bumps", no real "potholes". I kept notes of things to improve/change before the next QRP event. I even made a few during the event! I usually use TR, which is an excellent program, but it is somewhat difficult to set up for each QRP only type of contest. I hope to get the new program thoroughly tested and make it available to all of the QRP community some day soon. Sure was nice to hit one button to check my score, and to have those nice large fonts to see

the entries. I plan to have WIN 3.X, WIN 95, and even a DOS version at some future point. I plan to have a separate pre-configured program for each contest, rather than having each user configure their own copy. All one would have to do is to download the program, add their call, and then run it. The summary sheet is in a standard format that can be used by the contest manager to ease his/her's thankless job of totaling the results. Hopefully less work for everyone involved. Less work = more fun!

You know, it's almost as much fun running a software program that you have written during a contest, as a rig that you have designed and built. Labor of the heart etc.

I'll let everyone know when it is ready for prime time.

I'm hoping to get a few more folks involved in computer type QRP contesting.

I wound up with:

122 QS0's in 38 SPC's.
So my total score was:
 $122 \times 38 \times 2 \times 4 = 37,088$ as a home entry.

It was my pleasure to be able to give out 122 AZ ScQRPion points. Thanks to all that participated, it was almost too much fun! Geez, I love these things!

Brian W5VB0
AZ ScQRPions

Date: Tue, 9 Feb 1999 11:54:28 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "QRP Mail List" <qrp-l@Lehigh.EDU>
Subject: [32546] Renewal Batteries
Message-ID: <017b01be544c\$db30aac0\$8805010a@myetsko.insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I posted a long response to the Renewal Battery issues earlier, but I'm having email problems at home, and the

message is caught somewhere the equivalent to when your kid comes to you and says "Dad, did you know it's almost impossible to flush a grapefruit down the toilet?"

So, here's a real quick blurb on what I remember about Renewal cells from when I investigated them when they first appeared a number of years ago. There used to be an engineering application sheet available that described all this, but I don't know if it still is.

First off, they are pretty much alkaline cells, but they are 'enhanced' in that they can handle the pressures generated by charging.

Second, use is destructive to them, and not in a linear relationship. For example, discharging a cell 25%, charging, then discharging 25% degrades the cell a certain amount. Discharging a cell 50% and then charging it degrades it MUCH more. From this is implied NOT to ever discharge to zero!

Finally, charging is CRITICAL to cell survival. Overcharging is QUICKLY FATAL to the cell. The chargers if I remember work by using the 60HZ AC, and on each wave 'test' the cell voltage, then on the reverse they issue a charge pulse if the cell is below a certain threshold. If you put a cell into a charger, it may get 100% of available pulses until it is mostly charged, then 99%, then 98%, and so on. Finally it will be getting 1%, then less, maybe 1 pulse per minute, then one per hour, then one per day kind of thing. With that in mind, you can leave Renewal cells in the charger indefinitely with little risk of damage.

But this means you ABSOLUTELY cannot use normal charging methods on the cells. And you ABSOLUTELY cannot charge cells in series.

Would I use Renewal cells? You bet! They are great in applications like emergency flashlights in the car. That little MagLite AA that you leave in the glove compartment. Renewal cells do NOT self-discharge like NiCads. So the flashlight will almost certainly be available whenever you need it. And if you use it for a few minutes, pop the cells in the charger and you're back to full.

In an HT, I leave a pack with Renewals to use as emergency backup. But NOT for 'normal' use where you drain the pack significantly before recharge. They would also be quite

appropriate for that emergency Cell phone battery pack, as long as you didn't take your backup pack to zero when you used it.

CD WalkMan type units? No way, as there my kids run them dead! Same with GameBoys and other toys.

Calculators? Well, most users run them 'slightly' per day. In that environment, use and topping them off is an excellent application, if you remember to top them off regularly.

Will they replace NiCads? No, but they make a good compliment.

Mike Yetsko
N1DVJ

Date: Tue, 09 Feb 1999 12:07:51 -0500
From: "David Hurley, n2zhy" <n2zhy@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [32547] Jersey Fireball 40
Message-ID: <36C06B67.8B1D8A48@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

FIRST CONTACT!

No, not alien, just another guy in Jersey about 35 miles away. 35 miles on ground wave with 40 miliwatts? Is that possible? He gave me a 339 report! Didn't stay long, didn't want to strain his ears. Actually, he lives right down the street from my niece. Boy when this y2k think hits I'll be able to maintain family communications! A survivalist radio. Cool!

So, 1 contact at 35 miles and 1 "I heard you" at 700 miles. Way Cool!

I will be on tonight 1 hr before the foxhunt looking for contacts. Anyone that hears me please email me! Boy am I having big fun now!

72
David,n2zhy

Princeton,NJ

Date: Tue, 9 Feb 1999 16:14:32 +0100
From: "David Reid" <dareid@Synopsys.COM>
To: QRP-L@lehigh.edu
Subject: [32548] PA3HBB will be in Calif next week wanna meet up?
Message-ID: <199902091517.QAA27214@gooofy.gr05.synopsys.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hi all,
Next week, 15th of Feb until the 1st of march, I will be in Mountain View/ Sunnyvale, Calif. I'd be interested in meeting fellow QRPers

It is a working 'holiday' but evenings and weekends are free.

So, if your near by and wanna meet up - drop me an email or call me at the hotel..

FourPoints Sheraton:

SHERATON HOTEL SUNNYVALE
1100 North Mathilda Avenue
Sunnyvale, California 94089
Tel: (408) 745-6000 (800) 836-8686
Fax: (408) 734-8276

it is at the junction of the 101 and the 237.

It looks like I will be making this trip 3-4 times per year.

Take care es best 72/73

De Dave
PA3HBB / G0BZF
GQRP- 3677
Licensed since 1981
(GM6JLQ, GI6JLQ, EI7VJF, GW6JLQ, GM0BZF, GJ0BZF, G0BZF,
PA3HBB, DL/G0BZF, PA/G0BZF, DL/PA3HBB, LY/G0BZF, LY/PA3HBB)
winner of QRP section of AGCW Summer 98 contest.

Date: Tue, 09 Feb 1999 12:22:25 -0500
From: "David Hurley, n2zhy" <n2zhy@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [32549] Jersey Fireball 40
Message-ID: <36C06ED1.30C74886@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm having so much fun I forgot to give the frequency!

1 hr before the foxhunt, on 7.080 with a yagi from the Delaware Valley
Radio Association Club Shack and a big 40 miliwatts.

Again, please email me if I don't hear you.

Thanks
David,n2zhy
Princeton,NJ

Date: Tue, 9 Feb 1999 11:20:39 -0600
From: Vann G Lantz <vlantz@juno.com>
To: nogaqrp@qth.net, qrp-l@Lehigh.EDU
Subject: [32550] Diode xref
Message-ID: <19990209.112040.19262.0.VLantz@juno.com>

Two Questions:

Where can I find a site that will show me diode (or any component) xrefs?

What is a xref for a 1N34A if my box doesn't have one?

Vann Lantz, KF4QHJ, AL - VLantz@Juno.Com
QRP-L #1790, AR QRP #241
Ramsey QRP 1 Watt TX, Atlas 210-X RCVR, Long Wire
[Http://members.xoom.com/VLantz/home.htm](http://members.xoom.com/VLantz/home.htm)
"If there is no God, then who pops up the next Kleenex in the box?"

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 09 Feb 1999 12:35:40 -0500
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-1@lehigh.edu
Subject: [32551] Re: SPAMed
Message-ID: <36C071EC.49FD@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike Yetzko wrote:

> I was SPAMed. And I think it was from someone who had a
> contact on one of my list. And unfortunately I think it was this
> one, only because it came right after I started being active
> here.

> This is a new tactic. The SPAM came through as 'Information
> you requested'.

> Well, I responded to EVERY single address I could find
> in the header envelope, with sysadmin, admin, supervisor,
> etc. With a scathing message to not do it again.

> So, the reason I'm posting this..... Have other people here
> been spamed from this newsgroup? And how aggressive
> do you respond?

> Mike Yetzko
> N1DVJ

Hi, Mike,

Long time no chat.

Unfortunately, participating in "public" forums such as this gets you picked up by the "spambots;" software that combs internet newsgroups and reflectors (probably by subscribing to them) for email addresses.

I generally just ignore them, although if they come from one of the big ISPs (AOL, etc), I will forward them to postmaster@<originating site> or abuse@site without comment. Unfortunately, the spammers often will take steps to mask their true origination site, so folks like AOL are being abused, too.

The alternative is to spend the rest of our lives hiding from them and I simply refuse to do it.

73,
Ed, W1RFI
ARRL Lab

Date: Tue, 9 Feb 1999 11:54:49 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, myetsko@insydesw.com
Subject: [32552] Re: SPAMed
Message-ID: <199902091755.LAA01393@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I get very little SPAM. When I do, I put the address in the filter file along with the people that post jokes, test messages and administrative requests to lists. It's a pain to keep up with, but it cuts down on the junk.

With repeat offenders, you can always attach at least a 10 Meg. image file along with your message telling them to quit sending junk.

By the way, what was the subject of the message(s) in question? I may not have received the junk mail or it may have automatically went into the bit bucket.

73 Bryan W8LN

> So, the reason I'm posting this..... Have other people here
> been spamed from this newsgroup? And how aggressive
> do you respond?
>

Date: Tue, 9 Feb 1999 10:06:40 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <faunt@netcom.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32553] Re: [32468] Re: 10 TURN POT FOR NC 20
Message-ID: <222901be5456\$f3d44cd0\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

We won't let you fail, Doug!

Go into your radio shack. Look in the second drawer down on the left.
It will be in a small manilla bubblepak mailing envelope. Keep
looking. It's under that other thing.

Mike K1MG

>I just have to complain a bit. I bought a 10 turn pot in the group
>buy, for my NC-20, and now that the radio kit is here, I CAN'T FIND
>THE POT.
>Arrrrgh!!!
>73, doug

Date: Tue, 9 Feb 1999 13:12:37 -0500
From: "George Heron" <gheron@nac.net>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [32554] Atlanticon hotel looks GREAT!
Message-ID: <007201be5457\$cabb19e0\$f7327bd1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys, you won't believe the hotel we're holding our
Atlanticon QRP Forum at next month ... it's GREAT!

I was in town for some business yesterday and I dropped by
the Holiday Inn Select in Timonium, MD and was very
impressed with what I saw. The "Select" part of the name
apparently sets it a level up from the standard Holiday Inn
you might see around your local areas. At least this is
what the friendly Sales and Catering staff mentioned when
they showed me around the entire facility, and I've got to
agree with them.

First, the hotel is all self-contained ... it's a

multi-level (5?) hotel and the rooms are accessed from inside (nice touch). And the rooms look very nice indeed - I don't think anyone will have any complaints about these.

In the central lobby (5 stories above are all open, with room around the perimeter) there is a wide open bar and lounge area, and behind this (still in the open area) is an indoor pool, pool table and some arcade-style games (behind glass).

Off to the side is a medium-to-nice restaurant and an enclosed bar/nightclub room. Off to the other side of the lobby are some separate rooms housing a mini-gym with Nautilus equipment, and another room for sauna.

All these facilities are bound to be hoppin' with hams that weekend, as this hotel is also the selected hotel for the Greater Baltimore Hamboree & Computerfest. Ham heaven!

Just off the left side of the lobby is a very short walk to the conference rooms. We have two such rooms side-by-side for the QRP presentations all day Saturday, to be arranged classroom-style with rows of long tables and chairs facing the front speaker podium and overhead projection screen. On the other side of the hallway are a number of smaller conference rooms -- we'll have four of these ones together (they are separated by room dividers and thus quite configurable) to serve as our Friday evening "QRP Social" and Saturday evening "Social and Homebrew Contest" rooms. These are nicely carpeted rooms with a warmth that will make us all feel right at home!

The Holiday Inn Select is very easily accessed right off exit 16A of I-84 North ... after the exit, take the first right at the light and it's down about 100 yards on the right, just behind a big green glass office building. Can't miss it. And it's definitely within walking distance of the fairgrounds (where the Hamboree & Computerfest is being held all weekend).

For complete details concerning the Atlanticon QRP Forum being held on March 26-27, be sure to check the Jersey QRP Club website at <http://www.njqrp.org/atlanticon/> or request an information packet by sending a message to EMBOT@NJQRP.ORG with SEND ATLANTICON in the body. An email will be returned almost immediately to you containing the full scoop!

Oh yeah, the reservationist mentioned that there are only 10 rooms remaining in the \$69/night special rate group that we had blocked off for Atlanticon ... reservations coming in after those 10 are gone will be subject to room availability, and may or may not be at the special rate. So get on the horn today if you haven't yet made your reservations for this fun QRP weekend coming up next month! (Reservation details are located on the website and in the info package. Same too for details on how to pre-register for your Atlanticon badge.)

72/73,

--George Heron, N2APB
n2apb@amsat.org in Sparta, NJ
for the NJ-QRP Club at <http://www.njqrp.org>

Date: Tue, 9 Feb 1999 12:17:34 -0600
From: "Robert B. Callahan" <rbcallahan@juno.com>
To: Qrp-L@lehigh.edu
Subject: [32555] FYBO scores
Message-ID: <19990209.121737.3790.0.RBCallahan@juno.com>

Where do we send the FYBO logs?
Will they be posted somewhere? ARS?
What gives?

Bob Callahan KC5T #1792

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 9 Feb 1999 13:23:19 -0500
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: "QRP forum" <qrp-l@lehigh.edu>
Cc: "Mike Czuhajewski" <wa8mcq@erols.com>
Subject: [32556] Someone needed to build HW-9 kit
Message-ID: <199902091847.NAA01463@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I got this letter in the snail mail yesterday, from Merl Reynolds, W2QYA of
Burnt Hills, NY--

"I enjoyed assembling and operating my HW-7 and HW-8 QRP rigs. I also
purchased an HW-9 kit, with power supply and band pack kits, in 1991.

"However, the assembly of the HW-9 kits was postponed by my sponsorship
work with two grandsons participating in the Albany, NY capitol district
Empire State Youth Orchestra. Construction was further delayed by family
health problems. Thus, the kits are packed in their shipping boxes from
Heathkit.

"I am writing to ask if you know of anyone who builds kits for hire?

"Since this would be the initial assembly of these kits, I would like the
modifications (some are corrections of factory design problems) to be
incorporated as described in your Idea Exchange section of the April 1998
QRP Quarterly. [This probably refers to the long, detailed HW9 piece by
Gary Surrency that first appeared on qrp-l.]"

And on the outside of the envelope he also wrote what looks like a request
for the addition of the "test meter", which may refer to the mod that adds
some self-test functions; believe it was originally done by someone in
Switzerland.

If anyone is interested in building an HW-9 for hire, let me know and I'll
put you in contact with this gentleman.

73 and queue our pea DE WA8MCQ

Date: Tue, 9 Feb 1999 10:31:06 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [32557] NW8020 history correction of the correction
Message-ID: <01be545a\$5b208400\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bruce and the list. The NW8020 rig was first kitted by Dan's Small parts. Dan hired Roy Gregson to design a transceiver that he could sell. Their agreement was that Roy would design the rig, Dan would supply the parts for R&D, and that Roy would supply Dan with boards to sell in his kits. The original article appeared in QRPP, as Dan asked me to publish it to announce the rig to the world. Later, Dan suspended business operations for awhile. There was an article (I think the title was "The Rig that never had a chance" or something like that) in the now defunct Hambrew magazine that lamented the fact that this was a neat kit, but that it was no longer available due to Dan's suspension of operations at that time. (Note: Dan's Small Parts is still very much in business.) Roy Gregson contacted me and asked what my opinion was of his redesigning the rig, adding a couple of mods and improvements and starting his own company. I encouraged him to do so, even gave him the names of several contacts in the bay area for parts, and made phone calls vouching for him to some of the suppliers. Thus, Emtech was born. Roy worked very hard at his business, even though he was not in the greatest of health. He repaid my favors to him many times over to qrpers everywhere. So, the history of the NW8020 was that it was first kitted and still is by Dan's Small Parts. The Emtech version of the NW8020 is an improved design, and maybe should have been called the NW8020A. I posted this for information and to set the record straight. Both versions of the kit are still available to my knowledge.

72, Doug, KI6DS

Date: Tue, 9 Feb 1999 12:29:39 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: qrp-l@Lehigh.EDU
Subject: [32558] 60 meter band
Message-ID: <199902091830.MAA01877@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Has anyone been listening to (or taking part in) the tests at 60 meters? What times, modes and frequencies are being used regularly?
73 Bryan W8LN

Date: Tue, 09 Feb 1999 13:24:06 -0500
From: Jim Lyons <lyons@canada.com>
To: qrp-l@lehigh.edu
Subject: [32559] NC20 reaches Montreal

Message-ID: <3.0.5.32.19990209132406.00815e60@mail.globalserve.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Postmarked Feb 3 my NC20 kit arrived in this mornings mail (Feb 9) in perfect condition and no customs duty or tax to pay.

The kit is all that the enthusiastic posts promised and my only problem is how to say thanks adequately to everyone involved. I guess I'll just try to build it as well as they designed it and think of them each time I use it. Thanks guys.

Jim Lyons, VE2KN
Montreal

Date: Tue, 9 Feb 1999 13:28:01 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: <jeffj@scott.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [32560] Re: Antenna Question/EZNEC and ELNEC
Message-ID: <199902091831.NAA157818@virtualmaster3-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

EZNEC needs a math coprocessor, not sure about ELNEC.

Best to check with Roy W7EL at site below.

<http://www.teleport.com/~w7el/>

I purchased EZNEC 2.0 for \$89 and it's worth every penny.

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Tue, 9 Feb 1999 13:39:01 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: w1hue@amsat.org, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32561] RE: NC20 - Comments on Chirp, etc.
Message-ID: <21E06269B00ED111BE9B00805F6D0FA3657F6E@MAILSERVER1>

MIME-Version: 1.0
Content-Type: text/plain

Quality analysis Larry. Option D sounds safest. I vote for it.

This sure beats the heck out of SPAM comments. "At least it had some meat in it". HeeHee

Sam Billingsley AE4GX Atlanta, GA

...snip...

> Thus if Chuck's power supply voltage "sags" by about 0.5 or so and VR1
> (the
> frequency control) is away from its center position (which it probably is
> for operation at 14.060 MHz), then that could account for the slight
> chirp.

...snip...

> So, what are the alternatives? Several come to mind:
>
> a) Live with the chirp (it give the rig a distinct sound... :-).
> b) Use a well regulated power source.
> c) Build a regulating DC-DC converter to get rid of sagging battery
> voltage
> (an article in the April issue of the ARCI QRP Quarterly will tell you how
> to do this.)
> d) "Double regulate" the reference voltage applied to the pin 3 of U1 and
> the frequency control pot (VR1).
>
> Option d) would be my choice. I will probably install a 78L06 (or maybe a
> 78L05) between the output of U2 and the junction of R1 and R3. (I'll
> probably have to mount it on the bottom of the board.) The value of R3
> will
> have to be reduced to maintain 4V at pin 3 of U1. R1 will also have to be
> reduced (or R100 increased). I leave it as a exercise for the reader to
> determine the proper resistor sizes... :-)

...snip...

> 72 and good building --
> Larry W1HUE/7

Date: Tue, 9 Feb 1999 10:57:08 -0800
From: dave_epps@juno.com
To: qrp-l@lehigh.edu
Subject: [32562] Morse Keyboard.

Message-ID: <19990209.105709.-99035.3.dave_epps@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

FYI Ron Alspaugh who developed the kybd in QST dec. 97 has a new
Ver. 5 now with a lot of great features.
ron@gov.net He will send a .pdf file describing it.
I have been real satisfied with the previous version. I have just about
decided to use a kybd full-time as I don't get on enough to send good cw
.
dave ab5pc fresno, ca.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 09 Feb 1999 11:57:46 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [32563] Re: SPAMed
Message-ID: <36C022BA.D6C0290C@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Since this List isn't structured as a newsgroup, I doubt that your
spamming came from something to do with this list.

Look elsewhere.

--

72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

Date: Tue, 9 Feb 1999 11:13:23 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [32564] Elmer 101 Book from Paul Harden
Message-ID: <01be5460\$43890780\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Paul just posted that the Elmer 101 Book is now available from Quicksilver Printing. I want to publicly state that Paul has my full permission and endorsement to sell this book. When I sent the proof material to him, he was so excited that he called me on the phone, during the day, at school. He could hardly contain himself. He said that we must change our policy and make this issue available as a stand alone tutorial. I said that I agreed that it was a unique issue, and that it did need to be made available, but I did not have the time to handle it, nor did I want to tie up club funds in a long range project. The idea died for a few days, then Paul called again and offered to handle the book and I accepted but only on the condition that he make a small profit to help reimburse him for the time and money that he was going to have to invest in the project. He agreed, and that is how the book came to be available from him. Paul is really operating at about break even, as he has to hire people to assemble the book and handle orders, but at least he is not losing money.

Also, I want to publicly thank Paul Harden for everything that he has done for QRP. He is not a "johnny come lately or flash in the pan" QRPer. He is a giant, and I am very proud to say that I have nominated him for induction into the QRP Hall of Fame. If anyone deserves to be in it, it is Paul. The work that he has done for NorCal and QRPP itself would qualify him yet that pales by his other accomplishments. There are a few hams who you instantly recognize when you hear their call, and one of them is Paul Harden, because of all of his many contributions to the hobby. I just hope that the voting body of the QRP Hall of Fame will recognize Paul and give him the award that he so justly deserves.

Paul Harden is a very, very close friend of mine. I count him as among the few people that I trust with anything that I have. Jim Cates is another, and Paul is right there with Jim. I know that if I ever need help, Paul will be there for me, as will Jim. I value that friendship as one of my most treasured possessions. This is not a disclaimer, but a "claimer" I guess. 72, Doug, KI6DS

Date: Tue, 9 Feb 1999 14:49:25 -0500

From: "Carpenter, Todd" <carpentt@citrine.indstate.edu>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, turnerw@email.uah.edu

Subject: [32565] Re: 60 meter band

Message-ID: <3C80410313F@citrine.indstate.edu>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I would also like to know what you find about this band. Any information you can find would be appreciated. I will forward to you any like information i com across. tn timer. Todd

Date: Tue, 9 Feb 1999 11:43:47 -0800
From: "Frank" <ke6vhm@earthlink.net>
To: <turnerw@email.uah.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32566] Re: SPAMed
Message-ID: <009001be5465\$d88cf8a0\$7321fea9@west->
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Haven't got much here - <gulp> yet
Hope it is not the start of anything.

<snip>
With repeat offenders, you can always attach at least a 10 Meg. image file along with your message telling them to quit sending junk.

IS THIS LIKE TIT FOR TAT? HI HI
72 de Frank

Date: Tue, 09 Feb 1999 12:49:58 -0700
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32567] NC20...parts galore!
Message-ID: <36C09166.27E5@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRPer's!

Have been sorting the parts on my NC20, and wowza, are there a lot of parts or what?!

What I do to keep things organized and in order, is to get a scrap piece of styrofoam(at any house building site) and cut it into 2 inch strips about a foot long. I then get the parts and shove them into the foam. I then place a 1/2 inch square self sticking label near the part and mark it.

All the resistors and caps are accounted for and tomorrow will dig into the rest of the bags. If I only had a little more time in the day!

Got to get ready for the salt mine..72, Tom WB5QYT

Date: Tue, 9 Feb 1999 12:00:17 -0800
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [32568] JY1 Obit on Next Newsline
Message-ID: <19990209195930.FSCJ7844@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Next week's Amateur Radio Newsline has three interesting interviews with people who were guests of JY1 in the earlier days of amateur radio in Jordan....

Newsline probably will be playing on a repeater near you beginning Friday or check it out (also a Real Audio <tm> version) on the website <http://www.arnewsline.org> anytime after about 1800 hours GMT, 12 Feb 99.

Usually notes like this have a disclaimer ... I'm not affiliated, etc.... Well, not this time, I AM one of the Newsline volunteers!

Alan Kaul, W6RCL, LaCanada, CA e-mail: w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html> or
<http://home.att.net/~alan.kaul/qrp.html>

Date: Tue, 9 Feb 1999 12:10:31 -0800

From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list" <qrp-l@Lehigh.edu>
Subject: [32569] Fox: K1MG log, 5 Feb 1999
Message-ID: <225001be5468\$41606180\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Here she is, gang. Let me know about the inevitable typos, and I will check the original log.

Thanks for a great hunt!

Mike K1MG

Fox log: K1MG 5-Feb-99 7.043 MHz CW CA Mike 614

UTC call sent rcvd S/P/C name QRP-L

1 0100 KU7Y 579 579 NV RON 17
2 0101 NQ7X 599 559 AZ FLOYD 343
3 0102 WE6W 559 599 CA ED 1068
4 0103 K5ZTY 559 579 TX BILL 473
5 0103 K2VCO 579 599 CA VIC 725
6 0104 N5TW 559 559 TX TOM 1474
7 0105 N0EA 559 559 MO WAYNE 1058
8 0106 N4ROA 559 559 VA DAN 970
9 0108 VE5RC 559 339 SK BRUCE 886
10 0109 K5OI 559 599 NM TIM 73
11 0110 WW7Y 559 599 UT STEVE 94
12 0112 N0RN 559 579 CO BOB 1789
13 0113 WN6HYX 559 579 CA MARY 1779
14 0115 KB7WW 549 599 OR ART 219
15 0115 KI7MN 559 599 AZ BOB 271
16 0116 AB7CE 449 559 MT ROY 4W
17 0117 VE6EWM 559 579 AB EARL 1076
18 0118 K0EVZ 559 599 ND DOC 861
19 0119 KF4KSM 559 569 FL MAC 704
20 0120 WS8D 449 579 MI MIKE 1188
21 0121 N0UR 599 579 MN JIM 799
22 0122 K5ON 559 579 NM GARY 770
23 0123 AB5UA 559 559 OK CLIF 478
24 0124 VE2KN 559 589 QC JIM 103

25 0126 VE3SP 559 579 ON RON 464
26 0128 N5LU 579 579 OK BILL 5W
27 0129 AE2T 559 599 NY AL 1664
28 0130 N6VZ 559 579 CA GARY 919
29 0131 K5LN 559 599 TX BILL 1794
30 0132 AB7ST 559 559 UT BOB 129
31 0133 AI4CW 559 339 AL DON 1670
32 0135 W5SB 559 559 TX BILL 1279
33 0137 WD8KQY 449 579 OK GARY 446
34 0139 AE4Y 559 449 GA KENT 1844
35 0141 K8CV 499 559 MI WALT 935
36 0142 WA60TP 579 599 OR JIM 3W
37 0144 AA2PF 559 559 NY DAVE 306
38 0146 AK7Y 559 599 AZ GREG 1693
39 0146 N1TP 449 569 FL TOM 1317
40 0149 W0RSP 559 569 SD ADE 661
41 0150 N3YSI 349 599 PA PAUL 1835
42 0151 K8DD 559 569 MI HANK 246
43 0152 KA4BMK 559 569 FL JIM 5W
44 0154 WD4MSM 559 559 IN BARRY 642
45 0155 W9UQB 559 579 AZ MIKE 413
46 0156 KK5LD 559 559 TX DAN 5W
47 0157 WA9PWP 559 479 WI PAUL 127
48 0159 KI0II 559 589 CO RON 928
49 0200 N5JI 449 559 TX DICK 1054
50 0201 K5JHP 559 559 TX BILL 825
51 0202 W5TD 449 559 TX TOM 5W
52 0205 WA8ZBT 559 579 TX DENNIS 5W
53 0206 AB0G0 559 559 CO DAVE 785
54 0207 KQ5U 569 559 TX TERRY 1603
55 0208 KJ7LO 559 589 AZ JEFF 1739
56 0211 K5UBS 559 559 OK OSCAR 1773
57 0212 W5TB 559 559 TX DOC 673
58 0214 KQ0I 559 559 IA MARK 615
59 0215 VE3JC 449 559 ON JOHN 744
60 0216 W0RW 449 599 CO PAUL 1284
61 0218 W2PFS 559 579 NY HAL 5W
62 0219 KA5T 559 559 TX LARRY 89
63 0220 N7CQR 559 599 OR DAN 502
64 0221 KB0YTK 559 599 CO VINCE 1283
65 0222 W5HNS 449 559 TX HENRY 178
66 0223 K7TQ 559 579 ID RANDY 102
67 0224 AA5TA 449 359 TX LARRY 1245
68 0226 W0CH 559 559 MO DAVE 618
69 0227 WS4S 559 559 TN CONARD 993
70 0228 W2UX 449 559 SC GARY 593
71 0230 N8VAR 559 339 OH RON 263
72 0231 N2TO 449 549 NY KEVIN 323

73 0233 KK7GG 559 559 OR MIKE 1705
74 0235 K5UP 559 559 OK GLEN 21
75 0236 KS4L 449 459 AL RANDY 468
76 0238 K10J 579 559 TX OJ 732
77 0239 N1FN 559 559 CO MARSHALL 153
78 0239 AB7TT 559 599 AZ JOE 191
79 0240 K4IMA 559 559 KY PETER 4W
80 0241 W0HEP 559 559 CO RICH 1817
81 0242 N0AR 559 559 MN SCOTT 1455
82 0243 AB0CD 459 559 CO DICK 483
83 0244 W4VCT 449 559 KY PETE 1721
84 0244 K6LS 559 559 CO PHIL 5W
85 0245 KC1FB 449 559 CT JIM 29
86 0246 WJ1R 579 559 CO LARRY 5W
87 0247 N8IE 449 559 OH DAN 1404
88 0249 AB7MY 559 579 AZ GARY 571
89 0249 KC5T 559 579 TX BOB 1792
90 0250 KK5WL 559 559 TX GARY 340
91 0252 W2XN 449 449 FL FRED 1728
92 0254 K2SJB 449 559 NY DAVE 757
93 0256 W2SC 459 449 NJ DICK 1613
94 0257 N2ZHY 449 339 NJ DAVID 5W
95 0258 W5XE 559 559 TX RAY 256
96 0259 KG2LO 559 559 NJ ROLAND 1445
97 0300 VE7CQK 449 559 BC PAUL 20

Date: Tue, 9 Feb 1999 20:20:48 -0000
From: "Graham Firth" <Graham.Firth@BTInternet.com>
To: <dave.g@dja@psilink.co.uk>, "Low Power Amateur Radio Discussion" <qrp-
l@lehigh.edu>
Subject: [32570] Re: UK Frorx Report
Message-ID: <003c01be5469\$b8dad140\$573fac3e@graham>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi
Subject: UK Fox Report

>Well, I guessed that the first evening would be quiet, and
it didn't

>dissappoint me. :o)
>Called CQ Foxhunt and CQ QRP Foxhunt on 7.033MHz between
19:30 and 20:00
>UTC, as arranged, and worked no one.

Well I heard you very weak Q3S3 & called you lots of times
but no reply.

>Mind you, the band was S9 of noise, what with the Digital
stations a few kHz
>further up. So, I guess that conditions were not ideal.

Yes it could have been a quieter frequency.

>I thought I heard a DL station and a G3 station calling,
but they turned out

>to be having QSOs a little further up and down the band.
That could have been me

>I even copied SP9BDV working a G station.

That was me - he called me after I had called you a few
times so I worked him!

>Ah well, maybe another time. Perhaps a different band next
time. I am

>wondering if I might have more luck on 80M next Monday?

Anyone interested

>out there? Any suggestions for a different band to use
instead?

40 was OK, but a quieter frequency would have been better. I
even had to get the wife to turn the TV off - that creates a
lot of hash on 40 - well that's another problem!

Thanks for trying anyway

72/3
Graham
G3MFJ

Date: Tue, 9 Feb 1999 14:26:14 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [32571] Re: SPAMed
Message-ID: <199902092026.0AA04281x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Tue, 09 Feb 1999 11:57:46 +0000, Roger Hightower <n7kt@earthlink.net> wrote:

> Since this List isn't structured as a newsgroup, I doubt that your
> spamming came from something to do with this list.

The Netscape & Internet Explorer browsers will tell web sites your email address :(and you'll never even know it happened. For those that suspect this might be a problem, the cure is simple, just delete your email info from the mail section of the browser and use another dedicated client such as Eudora to read your mail.

73 & GL Jeff W4JEF

```
*=-=-=-=-= Jeff Johns W4JEF - AMSAT# 32615 - QRP-L #1857 =-=-=-=-=*  
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |  
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|  
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |  
*=-=-=-=-=
```

Date: Tue, 9 Feb 1999 15:28:30 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Mike Czuhajewski <wa8mcq@erols.com>
Cc: QRP List <qrp-l@lehigh.edu>
Subject: [32572] Re: Someone needed to build HW-9 kit
Message-ID: <Pine.OSF.3.95.990209152335.32211C-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 9 Feb 1999, Mike Czuhajewski wrote:

> "I am writing to ask if you know of anyone who builds kits for hire?

Dear Mike,

Wow...

You would be doing the gentleman a HUGE favor if you tell him to auction off the kit and buy two ASSEMBLED HW-9's with the profit.

I bet that kit would auction off for over \$400 easily... what's an assembled HW9 worth? Maybe a couple hundred bucks?

Good or bad, isn't it interesting that these old kits have become hot collectables?

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics
<<http://www.acs.oakland.edu/~prvalko>>

Date: Tue, 9 Feb 1999 16:51:19 EST
From: K2UD@aol.com
To: qrp-1@Lehigh.EDU
Subject: [32573] re: FS: NC-20
Message-ID: <aff8ca04.36c0add7@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Steve, WF2S has found a willing person to build his NC-20 for him. Keith, WB2VUO will get Steve on the air with the rig. What a guy!

He did receive quite a few offers to build, and many offers to purchase. What a surprise, eh? I excused myself from building it for him, as I'll be lucky to get mine running by the new millenium. Steve might retire by the time I would have completed it.

Kudos Keith, and thanks from Steve to everyone who responded.

72

Howard Kraus, K2UD
Will be offline for a week or two

Date: Tue, 09 Feb 1999 18:05:35 -0400
From: Dave Marling <dbm@klis.com>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [32574] Re: SPAMed
Message-ID: <36C0B12F.21996E30@klis.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Mike Yetzko wrote:

>

> I was SPAMed. And I think it was from someone who had a

I delete without replying. I think sometimes they are trolling to see what comes back. Something they can add to a list.

I make a point of not posting anything to the newsgroups any more. Too many spams after posting a question to a printer group. After about 6 months, the spammers have apparently given up!

73,

Dave

VE1VQ

Yarmouth, Nova Scotia

Date: Tue, 09 Feb 1999 16:43:50 -0600

From: Jim <kj5tf@madisoncounty.net>

To: qrp-1@Lehigh.EDU

Subject: [32575] mW WAS Total points - 1.326 watts for 28 states

Message-ID: <36C0BA26.1E6D@madisoncounty.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

CA .05 - MO .02 - GA .003 - MA .06 - NC .045 - ID .035 - VA .05 - AZ
.033 - OH .045 - TX .05 - AR .05 - FL .07 - MI .07 - PA .07 - NY .035 -
CO .045 - NJ .07 - ME .05 - MD .05 - NH .05 - VT .05 - NV .05 - MN .045
- UT .045 - CT .045 - HI .05 - SD .07 - LA .02

Think I punched in the numbers right, 1.326 watts total for 28 states.

Yesterday was very good. Worked Sam, KH6AFS/QRP with 50mW, and Abe, W0RSP/QRP with 70mW, in South Dakota!

Remember the joy of "discovering" QRP? This is just like that!

Jim KJ5TF AR QRP #2

Date: Tue, 09 Feb 1999 15:54:43 +0000

From: Bob Hightower <ki7mn@extremezone.com>
To: myetsko@insydesw.com
Cc: qrp-1@lehigh.edu
Subject: [32576] Re: SPAMed
Message-ID: <199902092255.PAA19956@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:38 AM 2/9/99 -0500, you wrote:

>
>I was SPAMed. And I think it was from someone who had a
>contact on one of my list. And unfortunately I think it was this
>one, only because it came right after I started being active
>here.

>
>This is a new tactic. The SPAM came through as 'Information
>you requested'.

>
Most SPAM messages come through your ISP, and not from membership on a particular list. Check the address header, and if it wasn't specifically address to you, but to some amorphous entity, it probably was sent to just about everyone who shares your ISP. I have that happen occasionally, and my ISP said to _never_ respond, even to send the ubiquitous 'unsubscribe' note in reply. Seems to work, as I don't have many, if any, repeats. I don't pay that much attention to the messages, just trash them.

72,73

Bob Hightower KI7MN Chandler, AZ DM43BI

<http://www.extremezone.com/~ki7mn>

Date: Tue, 09 Feb 1999 16:05:42 +0000
From: Bob Hightower <ki7mn@extremezone.com>
To: qrp-1@lehigh.edu
Subject: [32577] FYBO Logs, etc.
Message-ID: <199902092306.QAA21993@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Have had a question re: do we (rather does Joe) accept e-mailed logs. Yes, but please include the summary sheet. Send to vole@primenet.com.

"You can copy the summary sheet from my web site by (in Netscape) saving as a text file, then editing out the header and footer and a few other symbols to make it a straight ASCII file. Haven't tried this with MSIE, but it

should work similarly. Then, it can be included in the note to Joe, or as an attachment (.txt file, again).

Whichever way you do it, snail mail or e-mail, send them in....it'd be nice to see just how many did participate, even for a couple of contacts.

SRI, Joe, but you're gonna be busy :^).

72,73

Bob Hightower KI7MN Chandler, AZ DM43BI

<http://www.extremezone.com/~ki7mn>

Date: Tue, 09 Feb 1999 23:14:05 -0800
From: dave.g0dja@psilink.co.uk (Dave Ackrill)
To: qrp-l@lehigh.edu
Subject: [32578] Sending the @ symbol
Message-ID: <E10AMKN-0003Ce-00@relay3.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I will now Conrad.

I wonder if it will be recognised by anyone other than QRP-L readers. HI....

Cheers de Dave (G0DJA)

>"@" is sent as "dit dit (pause) dit dit" in the same way
>that "AND or &" is sent as "dit (pause) dit dit dit."

>My question to the list is: does anyone use this :-) ??

Date: Tue, 09 Feb 1999 23:14:03 -0800
From: dave.g0dja@psilink.co.uk (Dave Ackrill)
To: qrp-l@lehigh.edu
Subject: [32579] Sending the @ symbol
Message-ID: <E10AMKL-0003Ce-00@relay3.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Eight dits is the error symbol Jeff. :o)

De Dave (G0DJA)

>Can you tell I have been practicing? My MFJ Code Tutor has
>..... as the @ symbol.

>73 Jeff

```
>  *----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L #1857 -----*
>  |jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
>  | Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
>  |200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
>  *-----*
```

By the way, I'm originally from Birmingham as well. Birmingham, UK that is.

HI!

Date: Tue, 09 Feb 1999 23:14:06 -0800
From: dave.g0dja@psilink.co.uk (Dave Ackrill)
To: qrp-l@lehigh.edu
Subject: [32580] RE: End-Fed Zepp Question
Message-ID: <E10AMK0-0003Ce-00@relay3.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Wondering if anyone out there using, or has used, the end-fed Zepp as a
>multiband antenna.

I think I may need a bit of extra information, as in, I thought the Zepp was
an end fed antenna, so how do you end-end feed?

If you mean a Zepp, as in an inverted 'L' with a second length of wire
forming a sort of ladder feeder, then I'd suggest just putting up an end fed
inverted 'L' and feeding it against groundplanes and forgetting about the
'other' half of the ladder feed.

I have read a few antenna books by authors who do not rate the Zepp antenna
very highly at all.

HTH - Dave (G0DJA)

Date: Tue, 9 Feb 1999 18:10:36 EST

From: NCC3122B@aol.com
To: qrp-1@lehigh.edu
Subject: [32581] FS-Built/Unbuilt Rigs
Message-ID: <24b92174.36c0c06c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

After being inactive almost 1 year I was cleaning up my shack and found the following QRP kits.

1. NW80/20 - I don't remember if this is from Dan's, or if its from Emtech, its been so long. It is completely built, but appears to be missing a few parts(couple of resistors,diode, capacitor, and a variable pot) I believe they are for a metering circuit used for aligning the rig. Also don't even remember what band its for, either 40 or 20m. No paper work or instructions.
2. GM-15 - 15m cw rig. This one is completely built, but not in a case. I don't remember how far I got with this one, but its almost ready to be checked out and mounted in a case. I do have the instructions for it!
3. WM-20 - 20m ssb rig. About 1/4 built. First few steps built, and checked out ok.
Guess what, I've even got the manual for it.

I've gotten interested in hamming again, and I want a K2. hi hi Anyway best offer takes all 3 of the kits.

Jerry -- NR5A

3. WM-20

Date: Tue, 09 Feb 1999 16:28:14 -0700
From: Larry East <w1hue@amsat.org>
To: hans.sundstrom@telia.com, qrp-1@lehigh.edu
Subject: [32582] RE: SG2020

Message-ID: <3.0.3.32.19990209162814.00920530@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I find the receiver quite sensitive when it comes to handling strong
>signals. You have to use the AF gain almost on full and reduce the RF gain
>to a minimum and the passband to a minimum to be able to use the receiver on
>a crowded 40 m. That means you cant use the s-meter and you reduce the
>sensitivity of the receiver and increase the LF noise. But its the way you
>used to operate "in the old days" i remember...

However, the "good 'ol days" are long gone...

Even my 70's vintage FT301 does a better job of receiving than the SG-2020.
So does my NorCal 40a for that matter. Even my QRP+ works better, but it
took close to 100 hours of modifications and it still has some
irritations!! Don't think I want to go thru that again... :-(

72/73, Larry W1HUE/7

Date: Tue, 09 Feb 1999 15:31:24 -0700
From: Kory Hamzeh <kory@avatar.com>
To: qrp-l@lehigh.edu
Subject: [32583] NC20 10 turn pot
Message-ID: <3.0.5.32.19990209153124.039cc420@ns1.avatar.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Can some kind sole give me the part number for the 10 turn pot for the
NC20. I missed the group buy and I need to order one.

Also, any thoughts on pushing the TX output power to say, 10 or 15 watts?

Thanks & 73,
Kory
AC6RN

Date: Tue, 09 Feb 1999 15:33:56 -0800
From: Allan G Taylor <k7gt@arrl.net>

To: qrp-l@lehigh.edu
Subject: [32584] on detecting chirp
Message-ID: <36C0C5E4.384C@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have been brooding about the statements made recently that chirp on a cw waveform would be just barely noticeable at 100 or so Hz shift. That seemed wrong to me, so I dug deep into the past and came up with the following ad hoc analysis.

Middle C is 256 Hz. High C is 512 Hz. There are twelve intervals on the western music scale between those notes (counting from 1 at middle C you will count 13 upon hitting high C, going up the scale). The notes themselves are in a more or less geometric progression. Taking the geometric mean, then of the two frequencies I come up with 362 Hz as the average frequency. Dividing this by 12 intervals gives appx 30 Hz per tone interval. So... any person who is not completely tone deaf should be easily able to detect a shift of 30 Hz. Sure, a 30 Hz shift isn't a major chirp if it occurs in a cw signal, but it IS a chirp. A target to really be T9X ought to be a shift no more than 10 Hz, which should only be detectable by those with that rare musically gifted ear.

A footnote here: almost all 'big rigs' have some degree of minor chirp. Even the magnificent FT1000D has one (worse, by the way, than most).

AB7MYs rig in FYBO was magnificent! Bravo! Bravo! (A NC20)

AC6KWs rig in FYBO was almost magnificent! (a K2)

AB7TTs rig in FYBO had some local color to the note (a SST with weak batteries!!)

I am REALLY picky...Mr Mirick would really come down on us in the 2nd trumpet section if we let a note go flat...even a little bit!

Allan

--

Allan Taylor, PE K7GT
k7gt@arrl.net

|
/|
/ |
| /Z |\n
/| /599| \

QRP-L 1016 FISTS 3222

operating nr SF/Oakland CA /_||/_/_/_/_/_ ARS 228 10X 69929
..."QRP, QRO, or barefoot..."... [\--===== -/ DXCC 8171/CW 1395/40m
~~~~~

-----  
Date: Tue, 9 Feb 1999 15:49:25 -0800  
From: "Barry L. Geipel - AD6HR" <bgeipel@primenet.com>  
To: <n7kt@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [32585] Re: SPAMed  
Message-ID: <199902092346.PAA18763@newspaper.cwi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

There are web bots that scan for email addresses in publically  
available archives. Since QRP-L is available to read via a web site,  
a webbot can and will get your email address.

The best thing is to just ignore them. Do not ever respond when they  
say things like "to remove yourself from this list send email to..."  
All that does is verifies your email address and gets you onto many more.

-----  
> From: Roger Hightower <n7kt@earthlink.net>  
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> Subject: Re: SPAMed  
> Date: Tuesday, February 09, 1999 3:57 AM  
>  
> Since this List isn't structured as a newsgroup, I doubt that your  
> spamming came from something to do with this list.  
>  
> Look elsewhere.  
> --  
> 72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

--  
-----  
Barry L. Geipel (AD6HR)     ||  
Email:bgeipel@primenet.com || Lacking a muse, my mauser  
NRA HMGS-PSW ARRL         || must be my thunderbolt  
QRP-L #1653                ||  
      <http://www.primenet.com/~bgeipel/barry.html>  
-----

Date: Tue, 9 Feb 1999 23:51:39 +0000  
From: Larry Cahoon <wd3p@juno.com>  
To: kj5tf@madisoncounty.net, qrp-l@Lehigh.EDU  
Subject: [32586] Re: mW WAS Total points - 1.326 watts for 28 states  
Message-ID: <19990209.235139.4046.3.wd3p@juno.com>

On Tue, 09 Feb 1999 16:43:50 -0600 Jim <kj5tf@madisoncounty.net> writes:

>Remember the joy of "discovering" QRP? This is just like that!

>

> Jim KJ5TF AR QRP #2

>

I have to agree with Jim - this is Fun and Joy!!!!!!

Yesterday, it was an old county hunting friend who happened to be visiting his OM man about 25 miles from my QTH who gave me MD at 30 mWatts. He never asked my power and I never told him. But after a half an hour QSO he began to wonder why 40 Meters wasn't up to it. Then there was the fellow in NJ who gave me a 449 to start and ended the QSO saying I had come up to a 579. 579 at 30 mWatts sounds good to me. Guess I need to cut the power a bit.

Yesterday was three new states at 30 mWatts each. Not up to Jim - only 20 States at 3.438 Watts.

Are there any others out there playing the mWatt game - give us an update.....

73 de Larry.....WD3P in MD

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
End of QRP-L Digest 1362

\*\*\*\*\*  
-----